

American Heart Journal

The international publication for the study of the heart and circulation

Editor in Chief: DEAN T. MASON, MD *San Francisco, Calif.*

Managing Editor: LESLIE J. FLATT *San Francisco, Calif.*

Editorial Assistant: MARIE D. YOUNG *San Francisco, Calif.*

Senior Manuscript Editor: PETER MALIK *St. Louis, Mo.*

EDITORIAL BOARD

Hugh D. Allen, MD, *Columbus*
W. Gerald Austen, MD, *Boston*
Najam A. Awan, MD, *River Hills*
Tali T. Bashour, MD, *San Francisco*
Stanley Beder, MD, *Washington, D.C.*
Daniel S. Berman, MD, *Los Angeles*
J. Thomas Bigger, MD, *New York*
William J. Bommer, MD, *Davis*
Lawrence I. Bonchek, MD, *Lancaster*
Lawrence S. Cohen, MD, *New Haven*
Lawrence H. Cohn, MD, *Boston*
John J. Collins, Jr., MD, *Boston*
C. Richard Conti, MD, *Gainesville*
Anthony N. DeMaria, MD, *Lexington*
Mary Allen Engle, MD, *New York*
Harvey Feigenbaum, MD, *Indianapolis*
Victor F. Froelicher, MD, *Long Beach*
Paul C. Gillette, MD, *Charleston*
John F. Goodwin, MD, *London*
Antonio M. Gotto, Jr., MD, *Houston*
Richard J. Gray, MD, *Los Angeles*
Rolf M. Gunnar, MD, *Maywood*
W. Proctor Harvey, MD, *Washington, D.C.*
Richard H. Helfant, MD, *Los Angeles*
Walter L. Henry, MD, *Irvine*
J. O'Neal Humphries, MD, *Columbia*
J. Willis Hurst, MD, *Atlanta*
Abdulmassih S. Iskandrian, MD, *Philadelphia*
Mark E. Josephson, MD, *Philadelphia*

William B. Kannel, MD, *Framingham*
Norman M. Kaplan, MD, *Dallas*
Samuel Kaplan, MD, *Los Angeles*
Joseph A. Kisslo, MD, *Durham*
Atul R. Laddu, MD, *McGaw Park*
Garrett Lee, MD, *San Francisco*
Michael Lesch, MD, *Chicago*
Robert I. Levy, MD, *New York*
Floyd D. Loop, MD, *Cleveland*
Reginald I. Low, MD, *Sacramento*
Dan G. McNamara, MD, *Houston*
Richard R. Miller, MD, *Santa Rosa*
Robert A. O'Rourke, MD, *San Antonio*
Joseph K. Perloff, MD, *Los Angeles*
Bertram Pitt, MD, *Ann Arbor*
Charles E. Rackley, MD, *Washington, D.C.*
Robert L. Reis, MD, *Miami*
Thomas A. Riemenschneider, MD, *Cleveland*
William C. Roberts, MD, *Bethesda*
David J. Sahn, MD, *San Diego*
Robert C. Schlant, MD, *Atlanta*
Pravin M. Shah, MD, *Loma Linda*
Bramah N. Singh, MD, *Los Angeles*
Walter Sommerville, MD, *London*
James T. Willerson, MD, *Dallas*
David O. Williams, MD, *Providence*
Roger A. Winkle, MD, *Stanford*
Robert F. Zelis, MD, *Hershey*
Douglas P. Zipes, MD, *Indianapolis*

VOLUME 121
JANUARY-JUNE 1991

VOLUME 121

COPYRIGHT© 1991 BY

MOSBY-YEAR BOOK, INC.

All rights reserved

Printed in the United States of America

Author Index*

- A
Abaitua-Borda I (see James et al). 1991;121:803-15
Abbott JA (see Kircher et al). 1991;121:864-71
Abbottsmith CW (see Gibler et al). 1991;121:11
Abbruzzese PA (see Tumbarello et al). 1991;121:616-8 (Brief comm.)
Abe T (see Nakamura et al). 1991;121:1170-7
Aboaf AP (see Kim et al). 1991;121:77-80
Acuña FP (see Monsalve et al). 1991;121:356-61 (Symposium)
Adamec R (see Zimmermann et al). 1991;121:576-85 (Prog. cardiol.)
Adams KF Jr (see Curtis et al). 1991;121:1655-64
Adamson RM (see Rockman et al). 1991;121:922-6 (Brief comm.)
Aguirre FV, Pedersen W, Castello R, Deligonul U, Gudipati C, Serota H, Labovitz AJ, Kern MJ. The effects of high (sodium meglumine diatrizoate, Renografin-76) and low osmolar (sodium meglumine ioxaglate, Hexabrix) radiographic contrast media on diastolic function during left ventriculography in patients. 1991;121:848-57
— (see Serota et al). 1991;121:1807-9 (Brief comm.)
Aharonian VJ (see Vardhan et al). 1991;121:902-5 (Brief comm.)
Ahmad S. Hypoprothrombinemia and cephalosporins. 1991;121:1843-4 (Letter)
— Myasthenia gravis unmasked by ergonovine. 1991;121:1851 (Letter)
— Nitroglycerin and intracranial hypertension. 1991;121:1850-1 (Letter)
Aizawa Y (see Niwano and Aizawa). 1991;121:62-7
Akagi T, Benson LN, Lightfoot NE, Chin K, Wilson G, Freedman RM. Natural history of dilated cardiomyopathy in children. 1991;121:1502-6
Alam M, Lewis JW Jr. Cessation of gastrointestinal bleeding from angiomyolysis after surgery for idiopathic hypertrophic subaortic stenosis. 1991;121:608-10 (Brief comm.)
—, Serwin JH, Rosman HS, Polanco GA, Sun I, Silverman NA. Transesophageal echocardiographic features of normal and dysfunctional bioprosthetic valves. 1991;121:1149-55
—, Sun I. Superiority of transesophageal echocardiography in detecting ruptured mitral chordae tendineae. 1991;121:1819-21 (Brief comm.)
Albrecht GT (see Moskowitz et al). 1991;121:909-11 (Brief comm.)
Alio-Bosch J, Candell-Riera J, Monge-Rangel L, Soler-Soler J. Intrapercardial echocardiographic images and cardiac constriction. 1991;121:207-8 (Brief comm.)
Aliot E (see Brembla-Perron et al). 1991;121:1124-31
Almeida-Filho OC (see Marin-Neto et al). 1991;121:134-40
Alpert D (see Sabri et al). 1991;121:876-80 (Curriculum cardiol.)
Alpert MA (see Selke et al). 1991;121:1544-7 (Brief comm.)
Al-Zarka AM (see Haft and Al-Zarka). 1991;121:1050-61
Ambeptiyia G (see Umachandran et al). 1991;121:1649-54
Amery A (see Bielen et al). 1991;121:1743-9
Amorim DS (see Marin-Neto et al). 1991;121:134-40
Anderson JL, United States Milrinone Multicenter Investigators. Hemodynamic and clinical benefits with intravenous milrinone in severe chronic heart failure: results of multicenter study in the United States. 1991;121:1956-64 (Symposium)
— (see Moreno et al). 1991;121:1062-70
Anderson KM, Odell PM, Wilson PWF, Kannel WB. Cardiovascular disease risk profiles. 1991;121:293-8 (Symposium)
Anderson L (see Gibler et al). 1991;121:1-11
Angelini P (see Bush et al). 1991;121:1591-9
Annibaldi D (see Fletcher et al). 1991;121:1818-9 (Brief comm.)
Antonini T (see Wrisley et al). 1991;121:1554-5 (Brief comm.)
Aoki M, Sakai K, Koyanagi S, Takeshita A, Nakamura M. Effect of nitroglycerin on coronary collateral function during exercise evaluated by quantitative analysis of thallium-201 single photon emission computed tomography. 1991;121:1361-6
Apostolo A (see De Cesare et al). 1991;121:1101-6
Arand PW (see Chiu et al). 1991;121:1460-70
- Argenal AJ, Baker MS. Selective coronary arteriography via translumbar catheterization. 1991;121:198-9 (Brief comm.)
Armas de Hernandez MJ (see Hernandez et al). 1991;121:389-94 (Symposium)
— (see Hernandez et al). 1991;121:395-401 (Symposium)
Armas Padilla MC (see Hernandez et al). 1991;121:389-94 (Symposium)
— (see Hernandez et al). 1991;121:395-401 (Symposium)
Armstrong WF (see Lewis et al). 1991;121:1088-94
Asai J (see Hattori et al). 1991;121:1735-42
Asai T (see Tatarra et al). 1991;121:797-802
Auffermann W, Wagner S, Holt WW, Buser PT, Kircher B, Schiller NB, Lim TH, Wolfe CL, Higgins CB. Noninvasive determination of left ventricular output and wall stress in volume overload and in myocardial disease by cine magnetic resonance imaging. 1991;121:1750-8
— (see Holt et al). 1991;121:531-7
Aurigemma G (see Whitfield et al). 1991;121:1367-73
Ausubel K (see Fusman et al). 1991;121:613-6 (Brief comm.)
Autenrieth G (see von Scheidt et al). 1991;121:1480-9
- B
Bakal CW (see Veith et al). 1991;121:1531-8 (Prog. cardiol.)
Baker DR (see Saalouk et al). 1991;121:905-9 (Brief comm.)
Baker MS (see Argenal and Baker). 1991;121:198-9 (Brief comm.)
Bald R (see Gembruch et al). 1991;121:1489-97
Ball SP (see Becker et al). 1991;121:220-44 (Special report)
Ballal RS, Mahan EF III, Nanda NC, Sanyal R. Aortic and mitral valve perforation: diagnosis by transesophageal echocardiography and Doppler color flow imaging. 1991;121:214-7 (Brief comm.)
Ballerini L (see Vairo et al). 1991;121:917-9 (Brief comm.)
Bandin MA (see Romero-Cárdenas et al). 1991;121:1831-4 (Brief comm.)
Banka VS (see Sahni et al). 1991;121:1600-8
Barcia F (see Madrid et al). 1991;121:1547-9 (Brief comm.)
Bargossi A (see Melandri et al). 1991;121:44-51
Barlage U (see Englert and Barlage). 1991;121:311-6 (Symposium)
Barlow CW (see Pockock et al). 1991;121:199-202 (Brief comm.)
Barlow JB (see Pockock et al). 1991;121:199-202 (Brief comm.)
Barragan O (see Hernandez et al). 1991;121:389-94 (Symposium)
— (see Hernandez et al). 1991;121:395-401 (Symposium)
Barrett JA (see Perrone and Barrett). 1991;121:677-83 (Symposium)
Barrington WW, Smith JE, Himmelstein SI. Cardiac tamponade following treatment with tissue plasminogen activator: an atypical hemodynamic response to pericardiocentesis. 1991;121:1227-9 (Brief comm.)
Barth C, Ojile M, Pearson AC, Labovitz AJ. Ultra short-acting intravenous β -adrenergic blockade as add-on therapy in acute unstable angina. 1991;121:782-8
— (see Labovitz et al). 1991;121:1347-52
Bashore TM (see Sheikh et al). 1991;121:1803-7 (Brief comm.)
Bashour TT (see Saalouk et al). 1991;121:905-9 (Brief comm.)
Beatt K (see Bux et al). 1991;121:1389-96
Beauchamp GD (see Vacek et al). 1991;121:1847 (Letter reply)
Beauman G (see Martin et al). 1991;121:745-52
Becker RC. Nitroglycerin-induced heparin resistance. 1991;121:1850 (Letter reply)
—, Corrao JM, Harrington R, Ball SF, Gore JM. Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part I. 1991;121:220-44 (Special report)
—, Harrington R. Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part II. 1991;121:627-40 (Special report)
Belanger AJ (see Kannel and Belanger). 1991;121:951-7 (Symposium)
Belenkie I, Knudtson ML, Roth DL, Hansen JL, Traboulis M, Hall CA, Manyari D, Filipchuk NG, Schnurr LP, Rosenblatt TW, Smith ER. Relation between flow grade after thrombolytic therapy and the effect of angioplasty on left ventricular function: a prospective randomized trial. 1991;121:407-16

*January, Part 1, pp. 1-244; January, Part 2, pp. 245-406; February, Part 1, pp. 407-656; February, Part 2, pp. 657-730; March, Part 1, pp. 731-988; March, Part 2, pp. 989-1032; April, Part 1, pp. 1033-1266; April, Part 2, pp. 1267-1318; May, pp. 1319-1590; June, Part 1, pp. 1591-1936; June, Part 2, pp. 1937-2000.

- Belhassen B (see Viskin and Belhassen). 1991;121:1846-7 (Letter reply)
- Bensky A (see Plowden et al.). 1991;121:619-22 (Brief comm.)
- Benson LN (see Akagi et al.). 1991;121:1502-6
- Beppu S (see Nakatani et al.). 1991;121:770-5
- Beraneck JT. Progression of coronary stenosis. 1991;121:1841-2 (Letter)
- Bergfeldt L (see Kennebäck et al.). 1991;121:1421-9
- Bernhard KA (see Gorcsan et al.). 1991;121:911-4 (Brief comm.)
- Bernstein AD (see Myers et al.). 1991;121:881-8 (Curriculum cardioli.)
- Bestetti RB (see Oliveira et al.). 1991;121:936-8 (Brief comm.)
- Bhandari AK (see Sager et al.). 1991;121:1671-8
- Bhat K (see Bonan et al.). 1991;121:1522-30 (Prog. cardioli.)
- Biamino G (see Di Donato et al.). 1991;121:776-81
- Bielen E, Fagard R, Amery A. The inheritance of left ventricular structure and function assessed by imaging and Doppler echocardiography. 1991;121:1743-9
- Bierman FZ (see Matsushima et al.). 1991;121:1824-6 (Brief comm.)
- Binkley PF (see Leier and Binkley). 1991;121:1866-70 (Symposium)
- Birnbaum Y (see Mager et al.). 1991;121:1543-4 (Brief comm.)
- Björnstad H, Tande PM, Refsum H. Class III antiarrhythmic action of d-sotalol during hypothermia. 1991;121:1429-36
- Black HR. Metabolic considerations in the choice of therapy for the patient with hypertension. 1991;121:707-15 (Symposium)
- Blanton D (see Gibler et al.). 1991;121:1-11
- Blanton J (see Gibler et al.). 1991;121:1-11
- Blondeau M (see Fournier et al.). 1991;121:593-5 (Brief comm.)
- Boada JJB (see Hernandez et al.). 1991;121:389-94 (Symposium)
- (see Hernandez et al.). 1991;121:395-401 (Symposium)
- Bolgos G (see Sisson et al.). 1991;121:1119-23
- Bolli R (see Rokey et al.). 1991;121:1161-9
- Bonan R, Bhat K, Lefevre T, Lemarbre L, Paiment P, Wolff R, Leung T-K. Coronary artery stenting after angioplasty with self-expanding parallel wire metallic stents. 1991;121:1522-30 (Prog. cardioli.)
- Bonar JW (see Rockman et al.). 1991;121:922-6 (Brief comm.)
- Bonnet G. A multicenter study of doxazosin in the treatment of essential hypertension in France. 1991;121:335-40 (Symposium)
- Bonura L (see Guzzetti et al.). 1991;121:1727-34
- Borow KM (see Lang et al.). 1991;121:1768-75
- (see Marcus et al.). 1991;121:926-9 (Brief comm.)
- Botvinick EH (see Zhu et al.). 1991;121:33-43
- Boughner DR (see Whittaker et al.). 1991;121:434-41
- Boujon B (see Fournier et al.). 1991;121:593-5 (Brief comm.)
- Bove AA (see Hayes et al.). 1991;121:1639-48
- Bozler AY (see Pasaoğlu et al.). 1991;121:1821-4 (Brief comm.)
- Braat SHJG (see de Zwaan et al.). 1991;121:789-97
- Bradley DA (see Curtis et al.). 1991;121:1655-64
- Brant D (see Buda et al.). 1991;121:1759-67
- Branzi A (see Melandri et al.). 1991;121:44-51
- Braunwald E. Intravenous milrinone: therapeutic responses in heart failure. 1991;121:1937-8 (Symposium)
- (see Brezinski et al.). 1991;121:1374-81
- (see Dzau and Braunwald). 1991;121:1244-63 (Special report)
- Breisblatt WM, Schulman DS, Follansbee WP. Continuous online monitoring of left ventricular function with a new nonimaging detector: validation and clinical use in the evaluation of patients post angioplasty. 1991;121:1609-17
- Brembilla-Perot B. Study of P wave morphology in lead V₁ during supraventricular tachycardia for localizing the reentrant circuit. 1991;121:1714-20
- , Donetti J, Terrier de la Chaise A, Sadoul N, Aliot E, Juilliére Y. Diagnostic value of ventricular stimulation in patients with idiopathic dilated cardiomyopathy. 1991;121:1124-31
- Brenowitz JB (see Johnson et al.). 1991;121:20-4
- Brezinski D, Stone PH, Muller JE, Tofer GH, Davis V, Parker C, Hartley LH, Braunwald E, MILIS Study Group. Prognostic significance of the Karmovsky Performance Status score in patients with acute myocardial infarction: comparison with the left ventricular ejection fraction and the exercise treadmill test performance. 1991;121:1374-81
- Brinker JA (see Grill et al.). 1991;121:194-8 (Brief comm.)
- Brodrick SA (see Selke et al.). 1991;121:1544-7 (Brief comm.)
- Brodmann R (see Ferrick et al.). 1991;121:206-7 (Brief comm.)
- Brooks HL (see Kenny et al.). 1991;121:1339-47
- (see Wynsden et al.). 1991;121:1331-8
- Brooks R (see Huang et al.). 1991;121:599-601 (Brief comm.)
- Brownlee W (see Wrisley et al.). 1991;121:1784-90 (Curriculum cardioli.)
- Bruschke AVG (see van der Wall et al.). 1991;121:1203-20 (Prog. cardioli.)
- Buckles DS (see Trippel et al.). 1991;121:1721-6
- Bux JJ, de Scheerder I, Beatt K, van den Brand M, Suryapranata H, de Feyter PJ, Serruy PW. The importance of adequate anticoagulation to prevent early thrombosis after stenting of stenosed venous bypass grafts. 1991;121:1389-96
- Buda AJ, Li Y, Brant D, Krause LC, Julius S. Changes in left ventricular diastolic filling during the development of left ventricular hypertrophy: observations using Doppler echocardiography in a unique canine model. 1991;121:1759-67
- Bueno-Medina C (see Vargas-Barron et al.). 1991;121:1498-1501
- Bürgisser C (see Di Donato et al.). 1991;121:776-81
- Burke AP, Farb A, Virmani R, Goodin J, Smialek JE. Sports-related and non-sports-related sudden cardiac death in young adults. 1991;121:568-75 (Curriculum cardioli.)
- Buser PT (see Aufermann et al.). 1991;121:1750-8
- Bush HS, Ferguson JJ III, Angelini P, Willerson JT. Twelve-lead electrocardiographic evaluation of ischemia during percutaneous transluminal coronary angioplasty and its correlation with acute reocclusion. 1991;121:1591-9
- Butman SM. Hyperlipidemia after cardiac transplantation: be aware and possibly wary of drug therapy for lowering of serum lipids. 1991;121:1585-90 (Editorial)
- C**
- Cadden J (see Grill et al.). 1991;121:194-8 (Brief comm.)
- Cahyadi YH, Takekoshi N, Matsui S. Clinical efficacy of PTCA and identification of restenosis: evaluation by serial body surface potential mapping. 1991;121:1080-7
- Califf RM (see Muller et al.). 1991;121:1042-9
- (see Ohman et al.). 1991;121:895-901 (Prog. cardioli.)
- Calkins H (see Rosenheck et al.). 1991;121:1693-8
- (see Rosenheck et al.). 1991;121:1809-10 (Brief comm.)
- Camann WR, Jarcho JA, Mintz KJ, Greene MF. Uncomplicated vaginal delivery 14 months after cardiac transplantation. 1991;121:939-41 (Brief comm.)
- Candela RJ (see Ohman et al.). 1991;121:895-901 (Prog. cardioli.)
- Candell-Riera J (see Alió-Bosch et al.). 1991;121:207-8 (Brief comm.)
- Carvalis DG (see Serota et al.). 1991;121:1807-9 (Brief comm.)
- Cardinal R (see Giorgi et al.). 1991;121:1240-3 (Brief comm.)
- (see Giorgi et al.). 1991;121:1445-53
- Carneiro JJ (see Oliveira et al.). 1991;121:936-8 (Brief comm.)
- Carpenter C (see Huang et al.). 1991;121:599-601 (Brief comm.)
- Carpenter MA (see Rheuban et al.). 1991;121:1565-7 (Brief comm.)
- Carr AA (see Houghton et al.). 1991;121:1107-12
- Carroll JD (see Chin et al.). 1991;121:1460-70
- (see Feldman and Carroll). 1991;121:1628-33
- Carvajal AR (see Hernandez et al.). 1991;121:389-94 (Symposium)
- (see Hernandez et al.). 1991;121:395-401 (Symposium)
- Casale PN, Stewart WJ, Whitlow PL. Percutaneous balloon valvotomy for patients with mitral stenosis: initial and follow-up results. 1991;121:1767-9
- Castello R. Exercise test in coronary spasm. 1991;121:1845 (Letter reply)
- (see Aguirre et al.). 1991;121:848-57
- (see Labovitz et al.). 1991;121:1347-52
- Catalano M, Liberti A. A multicenter study of doxazosin in the treatment of patients with mild or moderate essential hypertension and concomitant intermittent claudication. 1991;121:367-71 (Symposium)
- Cauchemez B (see Leclercq et al.). 1991;121:1685-92
- Chakk S (see DiBianco et al.). 1991;121:372-80 (Symposium)
- Chandraratna PAN (see Gonzalez et al.). 1991;121:118-25
- Chandrasoma P (see Tak et al.). 1991;121:933-6 (Brief comm.)
- Chang C-H (see Karpawich et al.). 1991;121:827-33
- Chang PC (see Ross et al.). 1991;121:1312-5 (Symposium)
- Charney R (see Fusman et al.). 1991;121:613-6 (Brief comm.)
- Chatterjee K (see Zhu et al.). 1991;121:33-43
- Chatterjee M (see Gembruch et al.). 1991;121:1489-97
- Cheatham JP (see Latson et al.). 1991;121:209-10 (Brief comm.)
- (see Latson et al.). 1991;121:1567-9 (Brief comm.)
- Chen I-C, Lin F-C, Chern M-S, Yeh S-J, Wu D. Diagnosis of post-laminectomy arteriovenous fistula using color Doppler flow mapping. 1991;121:217-9 (Brief comm.)
- Chen J-H (see Tsai et al.). 1991;121:1232-4 (Brief comm.)

- Cheng C-H (see Lau et al). 1991;121:595-7 (Brief comm.)
Cheng TO. PTCA in acute myocardial infarction. 1991;121:1847 (Letter)
—. PTCA-induced coronary-left ventricular fistula. 1991;121:1848 (Letter)
Cherix EC (see de Zwaan et al). 1991;121:789-97
Chern M-S (see Chen et al). 1991;121:217-9 (Brief comm.)
Chertow GM (see Ridker et al). 1991;121:1835-8 (Brief comm.)
Chew PH (see Grill et al). 1991;121:194-8 (Brief comm.)
Chiarello PA (see Franco et al). 1991;121:1813-5 (Brief comm.)
Chien C-T (see Hsu et al). 1991;121:1560-5 (Brief comm.)
Chin K (see Akagi et al). 1991;121:1502-6
Chishiki AS, Sunagawa K, Hayashida K, Sugimachi M, Nakamura M. Identification of the rate-dependent functional refractory period of the atrioventricular node in simulated atrial fibrillation. 1991;121:820-6
Chiu I-S (see Hsu et al). 1991;121:1560-5 (Brief comm.)
Chiu YC, Arand PW, Shroff SG, Feldman T, Carroll JD. Determination of pulse wave velocities with computerized algorithms. 1991;121:1460-70
Choo H-H (see Yeoh et al). 1991;121:1551-2 (Brief comm.)
Chopra PS (see Rao et al). 1991;121:1799-1802 (Prog. cardiol.) (see Rao et al). 1991;121:1826-9 (Brief comm.)
Choudhary RS (see Gonzalez et al). 1991;121:118-25
Chouty F (see Leclercq et al). 1991;121:1685-92
Chua KG (see Marcus et al). 1991;121:926-9 (Brief comm.)
Chung FL-W (see Lau et al). 1991;121:595-7 (Brief comm.)
Chung WS (see Zhu et al). 1991;121:33-43
Cincinnati Heart Project (see Gibler et al). 1991;121:1-11
Cintolo C, Lizza F, Sciveres G, Maugeri C, Oretti G. Paroxysmal AV block with ventricular standstill precipitated by atrial flutter during acute myocardial infarction. 1991;121:597-9 (Brief comm.)
Clark LT. Improving compliance and increasing control of hypertension: needs of special hypertensive populations. 1991;121:664-9 (Symposium)
Clarke RH (see Lucas et al). 1991;121:110-8
Clifton GD (see Harrison et al). 1991;121:126-33
Coats WD (see Jacobs et al). 1991;121:442-9
Cohen A (see Singh et al). 1991;121:601-2 (Brief comm.)
Cohen JD. Managing the whole patient with hypertension: practical applications in a clinical setting. 1991;121:702-6 (Symposium)
Cohen MV (see Fusman et al). 1991;121:613-6 (Brief comm.)
Cohen TJ, Liem LB. Neuroendocrine responses of ventricular tachycardia in humans. 1991;121:1816-8 (Brief comm.)
Cohn JN. Future directions in vasodilator therapy for heart failure. 1991;121:969-74 (Symposium)
Cole P (see St. John Sutton et al). 1991;121:1776-8
Colletti P (see Tak et al). 1991;121:933-6 (Brief comm.)
Colucci WS. Cardiovascular effects of milrinone. 1991;121:1945-7 (Symposium)
Commerford PJ (see Wood et al). 1991;121:610-3 (Brief comm.)
Consolo A (see Satullo et al). 1991;121:1507-12 (Curriculum cardioli.)
Cooper RS (see Matsushima et al). 1991;121:1824-6 (Brief comm.)
Coordes C (see Selke et al). 1991;121:1544-7 (Brief comm.)
Coplan NL (see Gleim et al). 1991;121:524-30
Corin WJ, Monrad ES, Strom JA, Giustino S, Sonnenblick ES, Lejemtel T. Flosequinan: a vasodilator with positive inotropic activity. 1991;121:537-40
Corral JL, López NC, Pecorelli A, Rincón LA, Terán VD. Doxazosin in the treatment of mild or moderate essential hypertension: an echocardiographic study. 1991;121:352-6 (Symposium)
Corrao JM (see Becker et al). 1991;121:220-44 (Special report)
Costa RS (see Oliveira et al). 1991;121:936-8 (Brief comm.)
Coulombe P (see Leclercq et al). 1991;121:1685-92
Couper GL (see Rabbani et al). 1991;121:816-9
Cowley AJ. Clinical efficacy of flosequinan in heart failure. 1991;121:983-8 (Symposium)
Cowley MJ (see Goudreau et al). 1991;121:12-9
— (see Sabri et al). 1991;121:876-80 (Curriculum cardioli.)
— (see Topaz et al). 1991;121:450-6
Cox J (see O'Brien et al). 1991;121:999-1006 (Symposium)
Coxon R (see Webster et al). 1991;121:1229-31 (Brief comm.)
Coyle DA (see Schleifer et al). 1991;121:1397-1402
Cozzi S (see De Cesare et al). 1991;121:1101-6
Crepaldi G (see Nosadini et al). 1991;121:1289-93 (Symposium)
Crijns HJ (see Van Gelder et al). 1991;121:51-6
Cupples LA (see Wilson et al). 1991;121:586-90 (Prog. cardiol.)
Curtis JL, Houghton JL, Patterson JH, Koch G, Bradley DA, Adams KF Jr. Propranolol therapy alters estimation of potential cardiovascular risk derived from submaximal postinfarction exercise testing. 1991;121:1655-64
Curtiss EI (see Follansbee et al). 1991;121:548-56
Cynamon J (see Veith et al). 1991;121:1531-8 (Prog. cardiol.)

D
Daae L (see Talseth et al). 1991;121:280-5 (Symposium)
Dae MW (see Zhu et al). 1991;121:33-43
Dalvi BV (see Sathe et al). 1991;121:1234-6 (Brief comm.)
Dammabacher T (see Hohnloser et al). 1991;121:89-95
Danford DA (see Latson et al). 1991;121:209-10 (Brief comm.)
— (see Latson et al). 1991;121:1567-9 (Brief comm.)
Danforth JW (see Zhu et al). 1991;121:33-43
D'Angelo A (see Nosadini et al). 1991;121:1289-93 (Symposium)
Dargie HJ, Grant S, McLenahan J. Angina, ischemia, and effort tolerance with vasodilating β -blockers. 1991;121:1017-20 (Symposium) (see McLenahan et al). 1991;121:691-6 (Symposium)
Dattwyler R (see Vlay et al). 1991;121:1558-60 (Brief comm.)
Davidson A, Eshaghpoor E, Young N, Mintz GS. Late thrombosis of a coronary artery mycotic aneurysm. 1991;121:1549-50 (Brief comm.)
Davidson CJ (see Sheikh et al). 1991;121:1803-7 (Brief comm.)
Davis V (see Brezinski et al). 1991;121:1374-81
Dean EN (see Gibler et al). 1991;121:1-11
deBuitleir M (see Rosenhek et al). 1991;121:1693-8
De Cesare N, Polese A, Cozzi S, Apostolo A, Fabbrocchi F, Loaldi A, Montorsi P, Guazzi MD. Coronary angiographic patterns in hypertensive compared with normotensive patients. 1991;121:1101-6
de Champlain J (see Mancia and de Champlain). 1991;121:989-90 (Symposium)
de Feyter PJ (see Bucx et al). 1991;121:1389-96
— (see Plante et al). 1991;121:417-26
— (see van Suylen et al). 1991;121:914-6 (Brief comm.)
de Franco VL (see Monsalve et al). 1991;121:356-61 (Symposium)
Deligonul U, Uppstrom E, Penick D, Seacord L, Kern MJ. Dynamic left ventricular outflow tract obstruction induced by pericardial tamponade during acute anterior myocardial infarction. 1991;121:190-4 (Brief comm.)
— (see Aguirre et al). 1991;121:848-57
— (see Gudipati et al). 1991;121:919-22 (Brief comm.)
— (see Serota et al). 1991;121:1807-9 (Brief comm.)
Delong R (see Vargas-Barron et al). 1991;121:931-3 (Brief comm.)
DeMaria AN (see Harrison et al). 1991;121:126-33
— (see Smith et al). 1991;121:480-8
Dembinsky WP (see Rockman et al). 1991;121:922-6 (Brief comm.)
Denjoy I (see Leclercq et al). 1991;121:1685-92
de Planque BA. A double-blind comparative study of doxazosin and prazosin when administered with β -blockers or diuretics. 1991;121:304-11 (Symposium)
de Roos A (see van der Wall et al). 1991;121:1203-20 (Prog. cardiol.)
Dervan JP (see Vlay et al). 1991;121:1558-60 (Brief comm.)
de Scheerder I (see Bucx et al). 1991;121:1389-96
Dev V, Shrivastava S. Balloon tear during valvuloplasty. 1991;121:1841 (Letter reply)
Dezern K (see Littmann et al). 1991;121:96-104
de Zwaan C, Cherix EC, Braat SHJG, Stappers JLM, Wellens HJJ. Improvement of systolic and diastolic left ventricular wall motion by serial echocardiograms in selected patients treated for unstable angina. 1991;121:789-97
Diana P (see Gorcsan et al). 1991;121:911-4 (Brief comm.)
DiBianco R. Acute positive inotropic intervention: the phosphodiesterase inhibitors. 1991;121:1871-5 (Symposium)
—, Parker JO, Chakkola S, Tanser PH, Emmanuel G, Singh JB, Marlon A. Doxazosin for the treatment of chronic congestive heart failure: results of a randomized double-blind and placebo-controlled study. 1991;121:372-80 (Symposium)
di Carlo D (see Vairo et al). 1991;121:917-9 (Brief comm.)
Di Donato M, Maioli M, Venturi F, Bürgisser C, Fantini F, Biamino G, Marchionni N. Acute hemodynamic effects of intravenous diperidpine, a new dihydropyridine derivative, in coronary heart disease. 1991;121:776-81
Di Donato RM (see Vairo et al). 1991;121:917-9 (Brief comm.)

- Dietz AM (see Veith et al). 1991;121:1531-8 (Prog. cardiol.)
 DiSciaccio G (see Goudreau et al). 1991;121:12-9
 — (see Sabri et al). 1991;121:876-80 (Curriculum cardiol.)
 — (see Sabri et al). 1991;121:1779-83 (Curriculum cardiol.)
 — (see Topaz et al). 1991;121:450-6
 Dittrich H (see Gilpin et al). 1991;121:457-65
 Doğan R (see Pasaoglu et al). 1991;121:1821-4 (Brief comm.)
 Dollar AL (see Roberts and Dollar). 1991;121:607-8 (Brief comm.)
 Dominguez LF (see Perez de Juan Romero and Dominguez). 1991;121:1844-5 (Letter)
 Donato A (see Satullo et al). 1991;121:1507-12 (Curriculum cardiol.)
 Donetti J (see Bremilla-Perrot et al). 1991;121:1124-31
 Dzau VJ, Braunwald E. Resolved and unresolved issues in the prevention and treatment of coronary artery disease: a workshop consensus statement. 1991;121:1244-63 (Special report)
 —. Recent advances in the control of heart failure: introduction. 1991;121:950 (Symposium)
- E**
- Ebihara A (see Fukuyama et al). 1991;121:317-22 (Symposium)
 Edhag O (see Kennebeck et al). 1991;121:1421-9
 Elias J (see Vlay et al). 1991;121:1558-60 (Brief comm.)
 Elizari MV (see Franco et al). 1991;121:1813-5 (Brief comm.)
 Ellis SG (see Muller et al). 1991;121:1042-9
 — (see Stewart et al). 1991;121:1033-41
 El-Sherif N (see Fontaine et al). 1991;121:494-508
 Emmanuel G (see DiBianco et al). 1991;121:372-80 (Symposium)
 Englehardt M (see Martin et al). 1991;121:745-52
 Englert RG, Barlage U. The addition of doxazosin to the treatment regimen of patients with hypertension not adequately controlled by β -blockers. 1991;121:311-6 (Symposium)
 Erb RE (see Gibler et al). 1991;121:1-11
 Erdmann E (see von Scheidt et al). 1991;121:1480-9
 Eshaghpoor E (see Davidson et al). 1991;121:1549-50 (Brief comm.)
 Esposti DD (see Melandri et al). 1991;121:44-51
 Everett AD (see Rheubar et al). 1991;121:1565-7 (Brief comm.)
- F**
- Fabbrocchi F (see De Cesare et al). 1991;121:1101-6
 Fagard R (see Bielen et al). 1991;121:1743-9
 Falk RH. PFO or UFO? The role of a patent foramen ovale in cryptogenic stroke. 1991;121:1264-6 (Editorial)
 Fallani F (see Melandri et al). 1991;121:44-51
 Fantini F (see Di Donato et al). 1991;121:776-81
 Farb A (see Burke et al). 1991;121:568-75 (Curriculum cardiol.)
 Fauchald P (see Holme et al). 1991;121:260-7 (Symposium)
 Favilla S (see Pedrinelli et al). 1991;121:840-7
 Fawzy ME (see Solymar et al). 1991;121:557-68 (Curriculum cardiol.)
 Faxon DP (see Jacobs et al). 1991;121:442-9
 Feher MD. Doxazosin therapy in the treatment of diabetic hypertension. 1991;121:1294-1301 (Symposium)
 — (see Ross et al). 1991;121:1312-5 (Symposium)
 Feigenbaum H (see Lewis et al). 1991;121:1088-94
 Feinberg M (see Glikson et al). 1991;121:1542-3 (Brief comm.)
 Feldman JJ (see Gillum et al). 1991;121:172-7 (Prog. cardiol.)
 Feldman T, Carroll JD. Valve deformity and balloon mechanics in percutaneous transvenous mitral commissurotomy. 1991;121:1628-33
 — (see Chiu et al). 1991;121:1460-70
 — (see Lang et al). 1991;121:1768-75
 Feneck RO. Effects of variable dose milrinone in patients with low cardiac output after cardiac surgery. 1991;121:1995-9 (Symposium)
 Fenster P (see Ott and Fenster). 1991;121:1583-4 (Editorial)
 Ferguson JH III (see Bush et al). 1991;121:1591-9
 Ferrannini E, Natali A. Essential hypertension, metabolic disorders, and insulin resistance. 1991;121:1274-82 (Symposium)
 — (see Ross et al). 1991;121:1312-5 (Symposium)
 Ferrick KJ, Johnston D, Kim SG, Roth J, Brodman R, Zimmerman J, Fisher JD. Inadvertent AICD inactivation while playing bingo. 1991;121:206-7 (Brief comm.)
 — (see Kim et al). 1991;121:77-80
 Filipchuk NG (see Belenkis et al). 1991;121:407-16
 Fisher JD (see Ferrick et al). 1991;121:206-7 (Brief comm.)
 — (see Kim et al). 1991;121:77-80
 — (see Prystowsky et al). 1991;121:1571-82 (Special report)
- Flachskampf FA (see Lambertz et al). 1991;121:623-6 (Brief comm.)
 Flake AW (see Plowden et al). 1991;121:619-22 (Brief comm.)
 Flanagan C (see Ohman et al). 1991;121:895-901 (Prog. cardiol.)
 Fleming WH (see Latson et al). 1991;121:1567-9 (Brief comm.)
 Fletcher BJ (see Fletcher et al). 1991;121:105-110
 Fletcher GF, Sweeney ME, Fletcher BJ. Blood magnesium and potassium alterations with maximal treadmill exercise testing: effects of β -adrenergic blockade. 1991;121:105-110
 Fletcher RD (see Singh et al). 1991;121:601-2 (Brief comm.)
 Fletcher S, Fyfe DA, Gillette PC, Annibale D. The utility of adenosine to terminate supraventricular tachycardia in a premature hydropic infant. 1991;121:1818-9 (Brief comm.)
 Földös H-J (see Gembruch et al). 1991;121:1489-97
 Follansbee WP, Kierman JM, Curtis EL, Zerbe TR, Mock C, Komros RL. Changes in left ventricular systolic function that accompany rejection of the transplanted heart: a serial radionuclide assessment of fifty-three consecutive cases. 1991;121:548-56
 — (see Breisblatt et al). 1991;121:1609-17
 Fonseca R (see Monsalve et al). 1991;121:356-61 (Symposium)
 — (see Silva et al). 1991;121:329-35 (Symposium)
 Fontaine JM, Rao R, Henkin R, Suneja R, Ursell SN, El-Sherif N. Study of the influence of left bundle branch block on the signal-averaged electrocardiogram: a qualitative and quantitative analysis. 1991;121:494-508
 Ford I (see McLenahan et al). 1991;121:691-6 (Symposium)
 Fortin DF, Sheikh KH, Kisslo J. The utility of echocardiography in the diagnostic strategy of postinfarction ventricular septal rupture: a comparison of two-dimensional echocardiography versus Doppler color flow imaging. 1991;121:25-32
 Fournier C, Boujon B, Hebert J-L, Zamani K, Grimon G, Blondeau M. Stunned myocardium following coronary spasm. 1991;121:593-5 (Brief comm.)
 Fox-Eastham K (see Kieso et al). 1991;121:834-9
 Fraedrich G (see Hohnloser et al). 1991;121:89-95
 Fragachán F (see Monsalve et al). 1991;121:356-61 (Symposium)
 Francis GS. Vasodilators in the intensive care unit. 1991;121:1875-8 (Symposium)
 Franco DA, Sanchez RA, Elizari MV, Chiale PA. Intermittent left bundle branch block mimicked by early right ventricular activation through a nodofascicular pathway. 1991;121:1813-5 (Brief comm.)
 Frank MJ (see Houghton et al). 1991;121:1107-12
 Freedman RM (see Akagi et al). 1991;121:1502-6
 Freij BJ (see Rigg and Freij). 1991;121:1844 (Letter reply)
 Frelin C. Mechanisms of vasoconstriction. 1991;121:958-60 (Symposium)
 Friedman PL (see Rabbani et al). 1991;121:816-9
 Frishman WH. Clinical perspective on celiprolol: cardioprotective potential. 1991;121:724-9 (Symposium)
 Frolich ED. Vasodilatory β -blockers: systemic and regional hemodynamic effects. 1991;121:1012-7 (Symposium)
 Fu M (see Tsai et al). 1991;121:1232-4 (Brief comm.)
 Fujimori Y (see Uchida et al). 1991;121:1791-8 (Prog. cardiol.)
 Fujinami T (see Hayano et al). 1991;121:1070-9
 Fukuyama K, Omae T, Iimura O, Yoshinaga K, Yagi S, Inagaki Y, Ishii M, Kaneko Y, Yamada K, Ijichi H, Takeda T, Kuramochi M, Kokubu T, Ebihara A, Nakashima M. A double-blind comparative study of doxazosin and prazosin in the treatment of essential hypertension. 1991;121:317-22 (Symposium)
 Furui H (see Yamada et al). 1991;121:1618-27
 Furumichi T (see Yamada et al). 1991;121:1618-27
 Fusman B, Schienger ME, Charney R, Ausubel K, Cohen MV. Isolated collapse of left-sided heart chambers in cardiac tamponade: demonstration by two-dimensional echocardiography. 1991;121:613-6 (Brief comm.)
 Fyfe DA, Taylor AB, Kline CH, Sade RM, Gillette PC. Doppler echocardiographic evaluation of streptokinase lysis of thrombosited right-sided St. Jude Medical valves in patients with congenital heart defects. 1991;121:1156-60
 — (see Fletcher et al). 1991;121:1818-9 (Brief comm.)
- G**
- Gaither NS, Hull RW, Wortham DC, Yost WJ, Jelinek J. Pulmonary venous obstruction: utility of transesophageal echocardiography. 1991;121:203-5 (Brief comm.)
 Galassi AR (see Gavrilides et al). 1991;121:1665-70
 Gallagher JJ (see Jobe and Gallagher). 1991;121:1239-40 (Brief comm.)

- Gallo L Jr (see Marin-Neto et al). 1991;121:134-40
Gang ES (see Moazez et al). 1991;121:81-8
— (see Simonson et al). 1991;121:68-76
Gangadharan V (see Pavlides et al). 1991;121:731-7
Garan H (see Huang et al). 1991;121:599-601 (Brief comm.)
Gause CY (see Karpawich et al). 1991;121:827-33
Gauthier T (see Lucas et al). 1991;121:110-8
Gavrilides S, Kaski JC, Tousoulis D, Pupita G, Galassi AR, Maseri A. Duration of ST segment depression after exercise-induced myocardial ischemia is influenced by body position during recovery but not by type of exercise. 1991;121:1665-70
Gehrt JR (see Wallace et al). 1991;121:1413-21
Gembruch U, Knöpfle G, Chatterjee M, Bald R, Redel DA, Földisch H-J, Hansmann M. Prenatal diagnosis of atrioventricular canal malformations with up-to-date echocardiographic technology: report of 14 cases. 1991;121:1489-97
Gengenbach S, Ridker PM. Left ventricular hemangioma in Kasabach-Merritt syndrome. 1991;121:202-3 (Brief comm.)
Genovesi-Ebert A, Marabotti C, Palombo C, Ghione S. Electrocardiographic signs of atrial overload in hypertensive patients: Indexes of abnormality of atrial morphology or function? 1991;121:1113-18
George BS (see Ohman et al). 1991;121:895-901 (Prog. cardiol.)
Ghione S (see Genovesi-Ebert et al). 1991;121:1113-18
Giambartolomei A (see Wrisley et al). 1991;121:1554-5 (Brief comm.)
— (see Wrisley et al). 1991;121:1784-90 (Curriculum cardiol.)
Gibler CD (see Gibler et al). 1991;121:1-11
Gibler WB, Kereikas DJ, Dean EN, Martin L, Anderson L, Abbottsmith CW, Blanton J, Blanton D, Morris JA Jr, Gibler CD, Erb RE, Teichman SL. Cincinnati Heart Project, Nashville Prehospital TPA Trial. Prehospital diagnosis and treatment of acute myocardial infarction: a North-South perspective. 1991;121:1-11
Gilliam LD (see Picard et al). 1991;121:753-62
Gillette PC (see Fletcher et al). 1991;121:1818-9 (Brief comm.)
— (see Fyfe et al). 1991;121:1156-60
— (see Hays et al). 1991;121:929-31 (Brief comm.)
— (see Schaffer and Gillette). 1991;121:1699-1702
— (see Trippel et al). 1991;121:1721-6
Gillum RF, Makuc DM, Feldman JJ. Pulse rate, coronary heart disease, and death: the NHANES I Epidemiologic Follow-up Study. 1991;121:172-7 (Prog. cardiol.)
Gilmour RF Jr (see Moise et al). 1991;121:541-7
Gilpin E, Ricou F, Dittrich H, Nicod P, Henning H, Ross J Jr. Factors associated with recurrent myocardial infarction within one year after acute myocardial infarction. 1991;121:457-65
Giorgi C, Nadeau R, Savard P, Shenasa M, Pagé PL, Cardinal R. Body surface isopotential mapping of the entire QRST complex in the Wolff-Parkinson-White syndrome: correlation with the location of the accessory pathway. 1991;121:1445-53
—, —, —, —, —. Body surface potential mapping in the evaluation of coexisting old myocardial infarction and ventricular preexcitation. 1991;121:1240-3 (Brief comm.)
Giustino S (see Corin et al). 1991;121:537-40
Glaser J. Valve morphology in mitral prolapse. 1991;121:1845 (Letter)
Gleim GW, Stachenfeld NS, Coplan NL, Nicholas JA. Gender differences in the systolic blood pressure response to exercise. 1991;121:524-30
Glikson M, Feinberg M, Hod H, Kaplinsky E. Thrombolytic therapy for acute myocardial infarction following recent cataract surgery. 1991;121:1542-3 (Brief comm.)
Glover MU (see Goldman et al). 1991;121:1224-7 (Brief comm.)
Goble MM (see Moskowitz et al). 1991;121:909-11 (Brief comm.)
Goel S (see Tak et al). 1991;121:933-6 (Brief comm.)
Gokel JM (see von Scheidt et al). 1991;121:1480-9
Goldhaber SZ (see St. John Sutton et al). 1991;121:1776-8
— (see Teerlink et al). 1991;121:1852-3 (Editorial)
Goldman AP, Glover MU, Mick W, Toole JC, Hiro SP. The role of transesophageal echocardiography in the diagnosis and management of patent foramen ovale following aortocoronary bypass graft surgery. 1991;121:1224-7 (Brief comm.)
Goldschlag N (see Zhu et al). 1991;121:33-43
Golinke RJ (see Rossi et al). 1991;121:1237-9 (Brief comm.)
Gomez-Jaume A (see Vargas-Barron et al). 1991;121:931-3 (Brief comm.)
Gomez-Sanchez MA (see James et al). 1991;121:803-15
Gonzalez A, Naqvi SE, Tak T, Choudhary RS, Rahimtoola SH, Chandraratna PAN. Normalization of Doppler indices of diastolic dysfunction during pacing is a sign of ischemic mitral regurgitation. 1991;121:118-25
Goodin J (see Burke et al). 1991;121:568-75 (Curriculum cardiol.)
Gorcsan J III, Kenny WM, Diana P, Bernhard KA, Marrone GC. Transesophageal continuous-wave Doppler to evaluate mitral prosthetic stenosis. 1991;121:911-4 (Brief comm.)
—, Snow FR, Paulsen W, Nixon JV. Noninvasive estimation of left atrial pressure in patients with congestive heart failure and mitral regurgitation by Doppler echocardiography. 1991;121:858-63
Gordon S (see Vardhan et al). 1991;121:902-5 (Brief comm.)
Gore JM (see Becker et al). 1991;121:220-44 (Special report)
Gorlin R. Do we need another antihypertensive agent? 1991;121:670-6 (Symposium)
—. Early prevention and management of ischemic heart disease: focus on hypertension. 1991;121:657 (Symposium)
—. The Hypertension and ischemic heart disease: the challenge of the 1990s. 1991;121:658-64 (Symposium)
— (see Schleifer et al). 1991;121:1397-1402
Goto T (see Terazawa et al). 1991;121:1437-44
Goudreau E, DiSciaccio G, Kelly K, Vetrovec GW, Nath A, Cowley MJ. Coronary angioplasty of diffuse coronary artery disease. 1991;121:12-9
— (see Topaz et al). 1991;121:450-6
Gould RG (see Kircher et al). 1991;121:864-71
Gowda S (see Selke et al). 1991;121:1544-7 (Brief comm.)
Goy J-J (see Stauffer et al). 1991;121:1539-42 (Brief comm.)
Grant S (see Dargie et al). 1991;121:1017-20 (Symposium)
— (see McLenaghan et al). 1991;121:691-6 (Symposium)
Grayburn PA. Valve morphology in mitral prolapse. 1991;121:1845 (Letter reply)
— (see Smith et al). 1991;121:480-8
Grech ED, Ramsdale DR. Exertional syncope in aortic stenosis: evidence to support inappropriate left ventricular baroreceptor response. 1991;121:603-6 (Brief comm.)
Green MS, Harari G, Schwartz K. Cigarette smoking related to ambulatory blood pressure and heart rate. 1991;121:1569-70 (Brief comm.)
Greenberg M (see Veith et al). 1991;121:1531-8 (Prog. cardiol.)
Greene MF (see Camann et al). 1991;121:939-41 (Brief comm.)
Griep RB (see Rossi et al). 1991;121:1237-9 (Brief comm.)
Grill HP, Chew PH, Weiss JL, Merillat JC, Hill G, Cadden J, Brinker JA. Contrast echocardiographic diagnosis of PTCA-induced coronary artery-left ventricle fistula. 1991;121:194-8 (Brief comm.)
Grimon G (see Fournier et al). 1991;121:593-5 (Brief comm.)
Grip L, Rydén L. Late streptokinase infusion and antithrombotic treatment in myocardial infarction reduce subsequent myocardial ischemia. 1991;121:737-45
Grover GJ, Parham CS, Schumacher WA. The combined anti-ischemic effects of the thromboxane receptor antagonist SQ 30,741 and tissue-type plasminogen activator. 1991;121:426-33
Guazzi MD (see De Cesare et al). 1991;121:1101-6
Gudipati CV, Nagelhout DA, Serota H, Deligonul U, Labovitz AJ, Kern MJ. Transesophageal echocardiographic guidance for balloon catheter occlusion of patent foramen ovale complicating right ventricular infarction. 1991;121:919-22 (Brief comm.)
— (see Aguirre et al). 1991;121:848-57
— (see Pearson et al). 1991;121:871-5
Guerrero Pajuelo JR (see Hernandez et al). 1991;121:389-94 (Symposium)
— (see Hernandez et al). 1991;121:395-401 (Symposium)
Guidry J (see Raschke et al). 1991;121:1849 (Letter)
Guinn G (see Solymar et al). 1991;121:557-68 (Curriculum cardiol.)
Gumbiner CH (see Latson et al). 1991;121:209-10 (Brief comm.)
— (see Latson et al). 1991;121:1567-9 (Brief comm.)
Gupta SK (see Veith et al). 1991;121:1531-8 (Prog. cardiol.)
Gurley JC (see Smith et al). 1991;121:480-8
Gutgesell HP (see Rheuban et al). 1991;121:1565-7 (Brief comm.)
Guzzetti S, Iosa D, Pecis M, Bonura L, Prosdocimi M, Malliani A. Impaired heart rate variability in patients with chronic Chagas' disease. 1991;121:1727-34

H

- Hackworthy RA (see Moreno et al). 1991;121:1062-70
Hadjimiliades S, Panidis IP, McAllister M, Ross J, Mintz GS. Dynamic changes in left ventricular outflow tract flow velocities after amyl nitrite inhalation in hypertrophic cardiomyopathy. 1991;121:1143-8

- Haft JI, Al-Zarka AM. The origin and fate of complex coronary lesions. 1991;121:1050-61
 — (see Tabbalat and Haft). 1991;121:488-93
- Haley NJ (see Muscat et al.). 1991;121:141-7
- Hall CA (see Belenkis et al.). 1991;121:407-16
- Halle AA III (see Topaz et al.). 1991;121:450-6
- Hanaki Y (see Hattori et al.). 1991;121:1735-42
- Hanrahan P (see Lambertz et al.). 1991;121:623-6 (Brief comm.)
- Hansen JL (see Belenkis et al.). 1991;121:407-16
- Hansmann M (see Gembruch et al.). 1991;121:1489-97
- Hansson L. Reversal of cardiac and vascular hypertrophy by antihypertensive therapy. 1991;121:995-8 (Symposium)
- Harari G (see Green et al.). 1991;121:1569-70 (Brief comm.)
- Harding MB (see Sheikh et al.). 1991;121:1803-7 (Brief comm.)
- Harmse DP. Clinical experience with doxazosin in general medical practice in the Netherlands. 1991;121:341-5 (Symposium)
- Harold ME (see Trippel et al.). 1991;121:1721-6
- Harrelson-Woodlief L (see Ohman et al.). 1991;121:895-901 (Prog. cardiol.)
- Harrington R (see Becker and Harrington). 1991;121:627-40 (Special report)
 — (see Becker et al.). 1991;121:220-44 (Special report)
- Harris RE (see Muscat et al.). 1991;121:141-7
- Harrison JK (see Sheikh et al.). 1991;121:1803-7 (Brief comm.)
- Harrison MR, Clifton GD, DeMaria AN. Hemodynamic effects of calcium channel and β -receptor antagonists: evaluation by Doppler echocardiography. 1991;121:126-33
- Hartley LH (see Brezinski et al.). 1991;121:1374-81
- Hartzler GO (see Kahn and Hartzler). 1991;121:188-90 (Brief comm.)
- Hasegawa T (see Sugiura et al.). 1991;121:1409-12
- Hashimoto H (see Kawaguchi et al.). 1991;121:1353-60
- Hashimoto K (see Tataro et al.). 1991;121:797-802
- Hashimoto T (see Hayano et al.). 1991;121:1070-9
- Hattori K, Tanaka M, Sugiyama S, Obayashi T, Ito T, Satake T, Hanaki Y, Asai J, Nagano M, Ozawa T. Age-dependent increase in deleted mitochondrial DNA in the human heart: possible contributory factor to presbycardia. 1991;121:1735-42
- Hayano J, Yamada A, Mukai S, Sakakibara Y, Yamada M, Ohte N, Hashimoto T, Fujinami T, Takata K. Severity of coronary atherosclerosis correlates with the respiratory component of heart rate variability. 1991;121:1070-9
- Hayashi H (see Nagasaka et al.). 1991;121:763-9
 — (see Terazawa et al.). 1991;121:1437-44
- Hayashida K (see Chishaki et al.). 1991;121:820-6
- Hayes SN, Moyer TP, Morley D, Bove AA. Intravenous cocaine causes epicardial coronary vasoconstriction in the intact dog. 1991;121:1639-48
- Hays MD, Wiles HB, Gillette PC. Congenital acquired immunodeficiency syndrome presenting as cor pulmonale in a 10-year-old girl. 1991;121:929-31 (Brief comm.)
- Heaney LA (see Wallace et al.). 1991;121:1413-21
- Hebert J-L (see Fournier et al.). 1991;121:593-5 (Brief comm.)
- Hehrlein C (see Littmann et al.). 1991;121:96-104
- Henderson E (see McLenahan et al.). 1991;121:691-6 (Symposium)
- Henkin R (see Fontaine et al.). 1991;121:494-508
- Henning H (see Gilpin et al.). 1991;121:457-65
- Henry D (see Sabri et al.). 1991;121:1779-83 (Curriculum cardiol.)
- Heo J (see Iskandrian et al.). 1991;121:889-94 (Prog. cardiol.)
- Hernandez M, Reder RF, Marinchak RA, Rials SJ, Kowey PR. Propafenone for malignant ventricular arrhythmia: an analysis of the literature. 1991;121:1178-84 (Curriculum cardiol.)
- Hernandez RH, Carvajal AR, Guerrero Pajuelo J, Armas de Hernandez MJ, Armas Padilla MC, Barragan O, Boada JJB, Roa E. The effect of doxazosin on platelet aggregation in normotensive subjects and patients with hypertension: an in vitro study. 1991;121:389-94 (Symposium)
- , Guerrero Pajuelo JR, Carvajal AR, Armas Padilla MC, Armas de Hernandez MJ, Barragan O, Boada JJB. Evidence of an antiplatelet aggregation action of doxazosin in patients with hypertension: an ex vivo study. 1991;121:395-401 (Symposium)
- Higgins CB (see Auffermann et al.). 1991;121:1750-8
 — (see Kircher et al.). 1991;121:864-71
- Hilger HH (see Mager et al.). 1991;121:1974-83 (Symposium)
- Hill G (see Grill et al.). 1991;121:194-8 (Brief comm.)
- Himelman RB (see Kircher et al.). 1991;121:864-71
- Himmelstein SI (see Barrington et al.). 1991;121:1227-9 (Brief comm.)
 — (see Sheehan et al.). 1991;121:1803-7 (Brief comm.)
- Hirai M (see Nagasaka et al.). 1991;121:763-9
- Hiro SP (see Goldman et al.). 1991;121:1224-7 (Brief comm.)
- Hirono M (see Nakamura et al.). 1991;121:1170-7
- Hirose J (see Uchida et al.). 1991;121:1791-8 (Prog. cardiol.)
- Hod H (see Glikson et al.). 1991;121:1542-3 (Brief comm.)
- Hoffmann R (see Lambertz et al.). 1991;121:623-6 (Brief comm.)
- Hofschie PJ (see Latson et al.). 1991;121:209-10 (Brief comm.)
 — (see Latson et al.). 1991;121:1567-9 (Brief comm.)
- Hohnloser SH, Meinertz T, Dammacher T, Steier K, Jähnchen E, Zehender M, Fraedrich G, Just H. Electrocardiographic and antiarrhythmic effects of intravenous amiodarone: results of a prospective, placebo-controlled study. 1991;121:89-95
 — (see Raeder et al.). 1991;121:508-11
- Holme I, Fauchald P, Rugstad HE, Stokke HP. Preliminary results of the Norwegian doxazosin postmarketing surveillance study: a twelve-week experience. 1991;121:260-7 (Symposium)
- Holt WW, Auffermann W, Wu ST, Parmley WW, Wikman-Coffelt J. Mechanism for depressed cardiac function in left ventricular volume overload. 1991;121:531-7
 — (see Auffermann et al.). 1991;121:1750-8
- Honerjäger P. Intravenous milrinone: therapeutic responses in heart failure—conclusions. 1991;121:2000 (Symposium)
 —. Pharmacology of bipyridine phosphodiesterase III inhibitors. 1991;121:1939-44 (Symposium)
- Honma S (see Tataro et al.). 1991;121:797-802
- Honts J (see Latson et al.). 1991;121:209-10 (Brief comm.)
- Höpp H-W (see Klocke et al.). 1991;121:1965-73 (Symposium)
 — (see Mager et al.). 1991;121:1974-83 (Symposium)
- Horowitz SF (see Vassiliadis et al.). 1991;121:1403-8
- Houghton JL, Prisant LM, Carr AA, von Dohlen TW, Frank MJ. Relationship of left ventricular mass to impairment of coronary vasodilator reserve in hypertensive heart disease. 1991;121:1107-12
 — (see Curtis et al.). 1991;121:1655-64
- Hsu Y-H, Chien C-T, Hwang M, Chiu I-S. Magnetic resonance imaging of total anomalous pulmonary venous drainage. 1991;121:1560-5 (Brief comm.)
- Hua J (see Uretsky and Hua). 1991;121:1879-86 (Symposium)
- Huang PL, Brooks R, Carpenter C, Garan H. Antiarrhythmic therapy guided by programmed electrical stimulation in cardiac sarcoidosis with ventricular tachycardia. 1991;121:599-601 (Brief comm.)
- Hughes J (see Webster et al.). 1991;121:1229-31 (Brief comm.)
- Hull RW (see Gaither et al.). 1991;121:203-5 (Brief comm.)
- Hung J-S (see Tsai et al.). 1991;121:1232-4 (Brief comm.)
- Hunninghake DB. The effects of cardioselective vasodilating β -blockers on lipids. 1991;121:1029-32 (Symposium)
 —. Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins. 1991;121:696-701 (Symposium)
- Hwang M (see Hsu et al.). 1991;121:1560-5 (Brief comm.)
- Hwang S, Stevenson WG, Wiener I. Hearts too good to die: ventricular fibrillation due to small infarctions or ischemia. 1991;121:938-9 (Brief comm.)
- I
- Iannone DP (see Iannone and Iannone). 1991;121:1848-9 (Letter reply)
- Iannone LA, Iannone DP. PTCA-induced coronary-left ventricular fistula. 1991;121:1848-9 (Letter reply)
- Ichihara Y (see Nagasaka et al.). 1991;121:763-9
- Igarashi Y, Yamazoe M, Shibata A. Effect of direct intracoronary administration of methylergonovine in patients with and without variant angina. 1991;121:1094-1100
- Imura S (see Fukuyama et al.). 1991;121:317-22 (Symposium)
- Iizuka M (see Yamashita et al.). 1991;121:1634-9
- Ijichi H (see Fukuyama et al.). 1991;121:317-22 (Symposium)
- Ikeda K (see Takeishi et al.). 1991;121:466-75
- Ikeda T (see Nakamura et al.). 1991;121:1170-7
- Inada M (see Sugiura et al.). 1991;121:1409-12
 — (see Tsuji et al.). 1991;121:1679-84
- Inagaki Y (see Fukuyama et al.). 1991;121:317-22 (Symposium)
- Ino T (see Meissner et al.). 1991;121:1703-13
- Inoue H (see Yamashita et al.). 1991;121:1634-9
- Iosa D (see Guzzetti et al.). 1991;121:1727-34
- Ishii M (see Fukuyama et al.). 1991;121:317-22 (Symposium)
- Ishikawa K (see Yotsukura et al.). 1991;121:1137-42
- Ishikura F (see Nakatani et al.). 1991;121:770-5
- Ishinaga T (see Taniori et al.). 1991;121:57-61
- Ishizuka T (see Yotsukura et al.). 1991;121:1137-42
- Isikawa S (see Terazawa et al.). 1991;121:1437-44
- Iskandrian AS, Heo J, Nguyen T, Mercuro J. Myocardial imaging

- with Tc-99m teboroxime: technique and initial results. 1991; 121:889-94 (Prog. cardiol.)
Isner JM (see Lucas et al.). 1991;121:110-8
Ito A (see Terazawa et al.). 1991;121:1437-44
Ito T (see Hattori et al.). 1991;121:1735-42
— (see Kawaguchi et al.). 1991;121:1353-60
Itoh H (see Maruyama et al.). 1991;121:1302-6 (Symposium)
Itoh K (see Maruyama et al.). 1991;121:1302-6 (Symposium)
— (see Tatara et al.). 1991;121:797-802
Iwasaka T (see Sugiura et al.). 1991;121:1409-12
— (see Tsuji et al.). 1991;121:1679-84

J

- Jacobs AK, Faxon DP, Coats WD, Vogel WM, Ryan TJ. Coronary sinus occlusion: effect on ischemic left ventricular dysfunction and reactive hyperemia. 1991;121:442-9
Jähnchen E (see Hohnloser et al.). 1991;121:89-95
James TN, Posada-de la Paz M, Abaitua-Borda I, Gomez-Sanchez MA, Martinez-Tello FJ, Soldevilla LB. Histologic abnormalities of large and small coronary arteries, neural structures, and the conduction system of the heart found in postmortem studies of individuals dying from the toxic oil syndrome. 1991;121:803-15
Japanese Doxazosin Study Group (see Miura et al.). 1991;121:381-8 (Symposium)
Jarcho JA (see Camann et al.). 1991;121:939-41 (Brief comm.)
Jaski BE (see Rockman et al.). 1991;121:922-6 (Brief comm.)
Jelinek J (see Gaither et al.). 1991;121:203-5 (Brief comm.)
Jobe RL, Gallagher JJ. Use of adenosine during hypotension in the Wolff-Parkinson-White syndrome with supraventricular tachycardia. 1991;121:1239-40 (Brief comm.)
Johnston J (see Sisson et al.). 1991;121:1119-23
Johnson M (see Singh et al.). 1991;121:601-2 (Brief comm.)
Johnson RA (see Martin et al.). 1991;121:745-52
Johnson WD, Kayser KL, Brenowitz JB, Saedi SF. A randomized controlled trial of allopurinol in coronary bypass surgery. 1991;121:20-4
Johnston D (see Ferrick et al.). 1991;121:206-7 (Brief comm.)
Jolly SR, Keaton N, Movahed A, Rose GC, Reeves WC. Effect of hyperkalemia on experimental myocardial depression by verapamil. 1991;121:517-23
Josephson M (see Marcus et al.). 1991;121:926-9 (Brief comm.)
Juilliére Y (see Brembilla-Perrot et al.). 1991;121:1124-31
Julius S (see Buda et al.). 1991;121:1759-67
Juni JE (see Stewart et al.). 1991;121:1033-41
Just H (see Hohnloser et al.). 1991;121:89-95
Justice CD (see Karpwach et al.). 1991;121:827-33

K

- Kadish AH (see Rosenheck et al.). 1991;121:512-7
— (see Rosenheck et al.). 1991;121:1693-8
— (see Rosenheck et al.). 1991;121:1809-10 (Brief comm.)
Kahn JK, Hartzler GO. Evidence for dynamic coronary vasoconstriction in the early minutes of acute myocardial infarction. 1991;121:188-90 (Brief comm.)
Kahn M (see Schleifer et al.). 1991;121:1397-1402
Kale G (see Paşaoğlu et al.). 1991;121:1821-4 (Brief comm.)
Kale PA (see Sathe et al.). 1991;121:1234-6 (Brief comm.)
Kallfelz FA (see Moise et al.). 1991;121:1541-7
Kalra J (see Prasad et al.). 1991;121:178-87 (Prog. cardiol.)
Kamijo T (see Uchida et al.). 1991;121:1221-4 (Brief comm.)
Kander N (see Stewart et al.). 1991;121:1033-41
Kane PP (see Vlay et al.). 1991;121:1558-60 (Brief comm.)
Kaneko Y (see Fukiyama et al.). 1991;121:317-22 (Symposium)
Kaneria VK (see Sathe et al.). 1991;121:1234-6 (Brief comm.)
Kannel WB, Belanger AJ. Epidemiology of heart failure. 1991;121:951-7 (Symposium)
—, Wilson PWF, Zhang T-J. The epidemiology of impaired glucose tolerance and hypertension. 1991;121:1268-73 (Symposium)
— (see Anderson et al.). 1991;121:293-8 (Symposium)
— (see Ross and Kannel). 1991;121:1267 (Symposium)
— (see Ross et al.). 1991;121:1312-5 (Symposium)
— (see Ross and Kannel). 1991;121:1316-8 (Symposium)
— (see Wilson et al.). 1991;121:586-90 (Prog. cardiol.)
Kaplan NM. Bashing booze: the danger of losing the benefits of moderate alcohol consumption. 1991;121:1854-6 (Editorial)
Kaplinsky E (see Glikson et al.). 1991;121:1542-3 (Brief comm.)

- Kappenberger L (see Stauffer et al.). 1991;121:1539-42 (Brief comm.)
Karagueuzian HS (see Meesmann et al.). 1991;121:1703-13
Karlson EW (see Ridker et al.). 1991;121:1835-8 (Brief comm.)
Karpawich PP, Justice CD, Chang C-H, Gause CY, Kuhns LR. Septal ventricular pacing in the immature canine heart: a new perspective. 1991;121:827-33
Kaski JC (see Gavrilides et al.). 1991;121:1665-70
Kataoka K (see Maruyama et al.). 1991;121:1302-6 (Symposium)
Kato R (see Terazawa et al.). 1991;121:1437-44
Katz ES, Tunick PA, Kronzon I. To-and-fro left ventricular-to-right atrial shunting after valve replacement shown by transesophageal echocardiography. 1991;121:211-4 (Brief comm.)
Kawaguchi K, Sone T, Tsuboi H, Sassa H, Okumura K, Hashimoto H, Ito T, Satake T. Quantitative estimation of infarct size by simultaneous dual radionuclide single photon emission computed tomography: comparison with peak serum creatine kinase activity. 1991;121:1353-60
Kawashima M (see Uchida et al.). 1991;121:1791-8 (Prog. cardiol.)
Kayser KL (see Johnson et al.). 1991;121:20-4
Kazuma N (see Tatara et al.). 1991;121:797-802
Keaton N (see Jolly et al.). 1991;121:517-23
Keeley J (see Veith et al.). 1991;121:1531-8 (Prog. cardiol.)
Keirns C (see Romero-Cardenas et al.). 1991;121:1831-4 (Brief comm.)
— (see Vargas-Barron et al.). 1991;121:931-3 (Brief comm.)
— (see Vargas-Barron et al.). 1991;121:1498-1501
Kelly K (see Goudreau et al.). 1991;121:12-9
Kemke BM (see von Scheidt et al.). 1991;121:1480-9
Kennebäck G, Bergfeldt L, Vallin H, Tomson T, Edhag O. Electrophysiologic effects and clinical hazards of carbamazepine treatment for neurologic disorders in patients with abnormalities of the cardiac conduction system. 1991;121:1421-9
Kenny D, Wyns JC, Brooks HL, Warltier DC. Dipyridamole-induced decrement of functional recovery of postischemic reperfused myocardium in conscious dogs with well-developed coronary collateral circulation. 1991;121:1339-47
— (see Wyns et al.). 1991;121:1331-8
Kenny WM (see Gorscan et al.). 1991;121:911-4 (Brief comm.)
Kent KM (see Mohler et al.). 1991;121:591-3 (Brief comm.)
Kerber RE (see Kieser et al.). 1991;121:834-9
Kerekaies DJ (see Gibler et al.). 1991;121:1-11
— (see Ohman et al.). 1991;121:895-901 (Prog. cardiol.)
Kern MJ (see Aguirre et al.). 1991;121:848-57
— (see Deligonul et al.). 1991;121:190-4 (Brief comm.)
— (see Gudipati et al.). 1991;121:919-22 (Brief comm.)
— (see Labovitz et al.). 1991;121:1347-52
— (see Serota et al.). 1991;121:1807-9 (Brief comm.)
Khanolkar UB (see Sathe et al.). 1991;121:1234-6 (Brief comm.)
Kido H (see Uchida et al.). 1991;121:1221-4 (Brief comm.)
Kido K (see Maruyama et al.). 1991;121:1302-6 (Symposium)
Kiernan JM (see Follansbee et al.). 1991;121:548-56
Kieser RA, Fox-Eastham K, Kerber RE. Effect of nisoldipine on hemodynamic responses to defibrillation. 1991;121:834-9
Kim SG, Aboaf AP, Roth J, Ferrick K, Fisher JD. Prognosis of patients with ventricular tachycardia or fibrillation and a normal electrophysiologic study. 1991;121:77-80
— (see Ferrick et al.). 1991;121:206-7 (Brief comm.)
Kimbball TR (see Plowden et al.). 1991;121:619-22 (Brief comm.)
Kimura K (see Nakatani et al.). 1991;121:770-5
Kimura Y (see Tsuji et al.). 1991;121:1679-84
Kinare SG (see Sathe et al.). 1991;121:1234-6 (Brief comm.)
King JM (see Moise et al.). 1991;121:541-7
Kingma I (see Smits et al.). 1991;121:1454-9
Kipel G (see Rossi et al.). 1991;121:1237-9 (Brief comm.)
Kircher B, Abbott JA, Pau S, Gould RG, Himelman RB, Higgins CB, Lipton MJ, Schiller NB. Left atrial volume determination by biplane two-dimensional echocardiography: validation by cine computed tomography. 1991;121:864-71
— (see Auffermann et al.). 1991;121:1750-8
Kisslo J (see Fortin et al.). 1991;121:25-32
Kisslo KB (see Sheikh et al.). 1991;121:1803-7 (Brief comm.)
Kline CH (see Fyfe et al.). 1991;121:1156-60
Klocke RK, Mager G, Kux A, Höpp H-W. Effects of a twenty-four-hour milrinone infusion in patients with severe heart failure and cardiogenic shock as a function of the hemodynamic initial condition. 1991;121:1965-73 (Symposium)
— (see Mager et al.). 1991;121:1974-83 (Symposium)
Kloner RA (see Przyklenk and Kloner). 1991;121:1319-30
— (see Whittaker et al.). 1991;121:434-41

- Klues HG, Statler LS, Wallace RB, Roberts WC. Massive calcification of a porcine bioprosthetic valve in the aortic valve position and the role of calcium supplements. 1991;121:1829-31 (Brief comm.)
- Knöpfle G (see Gembruch et al.). 1991;121:1489-97
- Knudtson ML (see Belenkis et al.). 1991;121:407-16
- Kobayashi K-i (see Nakamura et al.). 1991;121:1170-7
- Koch G (see Curtiss et al.). 1991;121:1655-64
- Koiwaya Y (see Nagatomo et al.). 1991;121:1842-3 (Letter reply)
- Kokubu T (see Fukiyama et al.). 1991;121:317-22 (Symposium)
- Komatani A (see Takeishi et al.). 1991;121:466-75
- Komatsu C (see Tamori et al.). 1991;121:57-61
- Kondo K (see Nagasaka et al.). 1991;121:763-9
- Kopelman PG (see Umachandran et al.). 1991;121:1649-54
- Kormos RL (see Follansbee et al.). 1991;121:548-56
- Kowey PR (see Hernandez et al.). 1991;121:1178-84 (Curriculum cardiol.)
- Koyama K (see Maruyama et al.). 1991;121:1302-6 (Symposium)
- Koyanagi S (see Aoki et al.). 1991;121:1361-6
- Kragel AH, Roberts WC. Composition of atherosclerotic plaques in the coronary arteries in homozygous familial hypercholesterolemia. 1991;121:210-1 (Brief comm.)
- Krams R, McFalls E, van der Giessen WJ, Serruys PW, Verdouw PD, Roelandt J. Does intravenous milrinone have a direct effect on diastolic function? 1991;121:1951-5 (Symposium)
- Krause LC (see Buda et al.). 1991;121:1759-67
- Kronzon I (see Katz et al.). 1991;121:211-4 (Brief comm.)
- Kugler JD. Sinus nodal dysfunction in young patients with long QT syndrome. 1991;121:1132-6
- (see Latson et al.). 1991;121:209-10 (Brief comm.)
- (see Latson et al.). 1991;121:1567-9 (Brief comm.)
- Kuhn M. Severe bradycardias following calcium pretreatment. 1991;121:1812-3 (Brief comm.)
- Kuhns LR (see Karpawich et al.). 1991;121:827-33
- Kulick DL, Rahimtoola SH. Risk stratification in survivors of acute myocardial infarction: routine cardiac catheterization and angiography is a reasonable approach in most patients. 1991;121:641-56 (Editorial)
- Kuo T (see Yamashita et al.). 1991;121:1634-9
- Kuramochi M (see Fukiyama et al.). 1991;121:317-22 (Symposium)
- Kusakawa S (see Tatara et al.). 1991;121:797-802
- Kux A (see Klocke et al.). 1991;121:1965-73 (Symposium)
- (see Mager et al.). 1991;121:1974-83 (Symposium)
- L**
- Laarman GJ (see Plante et al.). 1991;121:417-26
- Labovitz AJ, Barth C, Castello R, Ojile M, Iern MJ. Attenuation of myocardial ischemia during coronary occlusion by ultrashort-acting beta adrenergic blockade. 1991;121:1347-52
- (see Aguirre et al.). 1991;121:848-57
- (see Barth et al.). 1991;121:782-8
- (see Gudipati et al.). 1991;121:919-22 (Brief comm.)
- (see Nagelhout et al.). 1991;121:1552-4 (Brief comm.)
- (see Pearson et al.). 1991;121:148-57 (Curriculum cardiol.)
- (see Pearson et al.). 1991;121:871-5
- Lamas GA, Pfeffer MA. Left ventricular remodeling after acute myocardial infarction: clinical course and beneficial effects of angiotensin-converting enzyme inhibition. 1991;121:1194-1202 (Prog. cardiol.)
- Lambertz H, Sigmund M, Hoffmann R, Flachskampf FA, Messmer BJ, Hanrath P. Transesophageal Doppler analysis of pulmonary venous flow in cardiac transplant recipients. 1991;121:623-6 (Brief comm.)
- Lamon KD. Clinical safety and efficacy of celiprolol. 1991;121:683-7 (Symposium)
- Lang RM, Pridjian G, Feldman T, Neumann A, Lindheimer M, Borow KM. Left ventricular mechanics in preeclampsia. 1991;121:1768-75
- (see Marcus et al.). 1991;121:926-9 (Brief comm.)
- Langdon CG. Doxazosin: a study in a cohort of patients with hypertension in general practice—an interim report. 1991;121:268-73 (Symposium)
- Lanter P (see Topaz et al.). 1991;121:450-6
- Latson LA, Cheatham JP, Gumbiner CH, Kugler JD, Danford DA, Hofschire PJ, Honts J. Midazolam nose drops for outpatient echocardiography sedation in infants. 1991;121:209-10 (Brief comm.)
- , Fleming WH, Hofschire PJ, Kugler JD, Cheatham JP, Moulton AL, Danford DA, Gumbiner CH. Balloon valvuloplasty in pulmonary valve atresia. 1991;121:1567-9 (Brief comm.)
- Lau C-P, Li JP-S, Cheng C-H, Wong C-K, Chung FL-W. Sensor-initiated termination of pacemaker-mediated tachycardia in a DDDR pacemaker. 1991;121:595-7 (Brief comm.)
- Laufer N (see Raschke et al.). 1991;121:1849 (Letter)
- Lazin A (see Singh et al.). 1991;121:601-2 (Brief comm.)
- Leclercq J-F, Coumel P, Denjoy I, Maisonblanche P, Cauchemez B, Chouty F, Leenhardt A, Slama R. Long-term follow-up after sustained monomorphic ventricular tachycardia: causes, pump failure, and empiric antiarrhythmic therapy that modify survival. 1991;121:1685-92
- Lee I (see Wrisley et al.). 1991;121:1784-90 (Curriculum cardiol.)
- Lee K (see Muller et al.). 1991;121:1042-9
- (see Tatar et al.). 1991;121:797-802
- Lee P (see Prasad et al.). 1991;121:178-87 (Prog. cardiol.)
- Leenhardt A (see Leclercq et al.). 1991;121:1685-92
- Lefèvre T (see Bonan et al.). 1991;121:1522-30 (Prog. cardiol.)
- Lehtonen A, The Finnish Multicenter Study Group. Doxazosin effects on insulin and glucose in hypertensive patients. 1991;121:1307-11 (Symposium)
- (see Rossi et al.). 1991;121:1312-5 (Symposium)
- Leier CV. Intensive cardiac care: newer pharmacology and techniques—foreword. 1991;121:1858 (Symposium)
- , Binkley PF. Acute positive inotropic intervention: the catecholamines. 1991;121:1866-70 (Symposium)
- Lejemtel T (see Corin et al.). 1991;121:537-40
- Lembarie L (see Bonan et al.). 1991;121:1522-30 (Prog. cardiol.)
- Leon C (see Sager et al.). 1991;121:1671-8
- Leppo J (see Whitfield et al.). 1991;121:1367-73
- Letac B. Adenosine for SVT. 1991;121:1845-6 (Letter)
- Leung T-K (see Bonan et al.). 1991;121:1522-30 (Prog. cardiol.)
- Levy I (see Wrisley et al.). 1991;121:1554-5 (Brief comm.)
- Lewandowski ED (see Rokey et al.). 1991;121:1161-9
- Lewis JW Jr (see Alam and Lewis). 1991;121:608-10 (Brief comm.)
- Lewis SJ, Sawada SG, Ryan T, Segar DS, Armstrong WF, Feigenbaum H. Segmental wall motion abnormalities in the absence of clinically documented myocardial infarction: clinical significance and evidence of hibernating myocardium. 1991;121:1088-94
- Li JP-S (see Lau et al.). 1991;121:595-7 (Brief comm.)
- Li Y (see Buda et al.). 1991;121:1759-67
- Libretti A (see Catalano and Libretti). 1991;121:367-71 (Symposium)
- Liem LB (see Cohen and Liem). 1991;121:1816-8 (Brief comm.)
- Lightfoot NE (see Akagi et al.). 1991;121:1502-6
- Lim AD (see Zhu et al.). 1991;121:33-43
- Lim TH (see Auffermann et al.). 1991;121:1750-8
- Lim Y-T (see ' et al.). 1991;121:1551-2 (Brief comm.)
- Lin F-C (see Chen et al.). 1991;121:217-9 (Brief comm.)
- Lin L-J (see Tsai et al.). 1991;121:1232-4 (Brief comm.)
- Lindheimer M (see Lipp et al.). 1991;121:1768-75
- Lipton MJ (see Kircher et al.). 1991;121:864-71
- Littmann L, Svenson RH, Tuntelder JR, Hehrlein C, Splinter R, Tatsis GP, Thompson M, DeZern K. Electrophysiologic characteristics of manifest and latent retrograde conduction in dogs. 1991;121:96-104
- Loaldi A (see De Cesare et al.). 1991;121:1101-6
- López B (see Monsalve et al.). 1991;121:356-61 (Symposium)
- López NC (see Corral et al.). 1991;121:352-6 (Symposium)
- Loya Y, Sharma S. Balloon tear during valvuloplasty. 1991;121:1840-1 (Letter)
- Lucas AR, Gauthier T, Clarke RH, Isner JM. Angiographic contrast media interference with laser-induced fluorescence excitation and detection in atherosclerotic human coronary arteries. 1991;121:110-8
- Lupi-Herrera E (see Vargas-Barron et al.). 1991;121:1498-1501
- Luzza F (see Cintolo et al.). 1991;121:597-9 (Brief comm.)
- (see Satullo et al.). 1991;121:1507-12 (Curriculum cardiol.)
- Lynch JJ Jr (see Wallace et al.). 1991;121:1413-21
- Lyons SV, McCord J, Smith S. Asymptomatic giant right atrial myxoma: role of transesophageal echocardiography in management. 1991;121:1555-8 (Brief comm.)
- M**
- Macari-Hinson MM (see Schleifer et al.). 1991;121:1397-1402
- Machac J (see Vassiliadis et al.). 1991;121:1403-8
- Maciel BC (see Marin-Nete et al.). 1991;121:134-40
- Madrid AH, Marin-Huerta E, Serrano CM, Barcia F, Villagrà F, Rayo I. Aborted sudden death in the chronic phase of Kawasaki disease. 1991;121:1547-9 (Brief comm.)
- Mager A, Birnbaum Y, Zlotkamienski B, Strasberg B, Rechavia E, Sagie A, Sclarovsky S. Streptokinase-induced jaundice in pa-

- tients with acute myocardial infarction. 1991;121:1543-4 (Brief comm.)
- Mager G, Klocke RK, Kux A, Höpp H-W, Hilger HH. Phosphodiesterase III inhibition or adrenoreceptor stimulation: milrinone as an alternative to dobutamine in the treatment of severe heart failure. 1991;121:1974-83 (Symposium)
- (see Klocke et al.). 1991;121:1965-73 (Symposium)
- Magnani B (see Melandri et al.). 1991;121:44-51
- Mahan EF III (see Ballal et al.). 1991;121:214-7 (Brief comm.)
- Mahrer PR (see Vardhan et al.). 1991;121:902-5 (Brief comm.)
- Maioli M (see Di Donato et al.). 1991;121:776-81
- Maisonblanche P (see Leclercq et al.). 1991;121:1685-92
- Makino H (see Taniori et al.). 1991;121:57-61
- Makuc DM (see Gillum et al.). 1991;121:172-7 (Prog. cardiol.)
- Malliani A (see Guzzetti et al.). 1991;121:1727-34
- Malo-Camacho R (see Vargas-Barron et al.). 1991;121:931-3 (Brief comm.)
- Mancia G, de Champlain J. Risk factor modulation with new generation vasodilating β -blockers: official satellite to the 13th Scientific Meeting of the International Society of Hypertension—introduction. 1991;121:1989-90 (Symposium)
- Mandel WJ (see Meesmann et al.). 1991;121:1703-13
- (see Moazzez et al.). 1991;121:81-8
- (see Simonson et al.). 1991;121:68-76
- Maniet AR (see Sahni et al.). 1991;121:1600-8
- Manos J. A long-term study of doxazosin in the treatment of mild or moderate essential hypertension in general medical practice. 1991;121:346-51 (Symposium)
- Manyari DE (see Belenkie et al.). 1991;121:407-16
- (see Smiseth et al.). 1991;121:1454-9
- Marabotti C (see Genovesi-Ebert et al.). 1991;121:1113-18
- Marchant B (see Umachandran et al.). 1991;121:1649-54
- Marchionni N (see Di Donato et al.). 1991;121:776-81
- Marcus RH, Chua KG, Josephson M, Neumann A, Berow KM, Lang RM. Vagolytic therapy in acute cardiac tamponade associated with aortic dissection. 1991;121:926-9 (Brief comm.)
- (see Pockoc et al.). 1991;121:199-202 (Brief comm.)
- Mardini MK (see Solymar et al.). 1991;121:557-68 (Curriculum cardiol.)
- Marin-Huerta E (see Madrid et al.). 1991;121:1547-9 (Brief comm.)
- Marin-Neto JA, Maciel BC, Teran Urbanetz LL, Gallo L Jr, Almeida-Filho OC, Amorim DS. High output failure in patients with peripartum cardiomyopathy: a comparative study with dilated cardiomyopathy. 1991;121:134-40
- (see Oliveira et al.). 1991;121:936-8 (Brief comm.)
- Marinchak RA (see Hernandez et al.). 1991;121:1178-84 (Curriculum cardiol.)
- Marino B (see Vairo et al.). 1991;121:917-9 (Brief comm.)
- Marlon A (see DiBianco et al.). 1991;121:372-80 (Symposium)
- Marrone GC (see Gorcsan et al.). 1991;121:911-4 (Brief comm.)
- Marshall D (see Silva et al.). 1991;121:329-35 (Symposium)
- Martelli V (see Tumbarello et al.). 1991;121:616-8 (Brief comm.)
- Martin L (see Gibler et al.). 1991;121:1-11
- Martin LW, Johnson RA, Scott H, Robinson S, Beauman G, Englehardt M, Vogel RA. Impedance measurement of absolute blood flow using an angioplasty catheter: a validation study. 1991;121:745-52
- Martinez-Tello FJ (see James et al.). 1991;121:803-15
- Maruyama H, Saruta T, Itoh H, Koyama K, Kido K, Itoh K, Takei I, Kataoka K. Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus. 1991;121:1302-6 (Symposium)
- Maseri A (see Gavrielides et al.). 1991;121:1665-70
- Maslowski AH. Clinical experience with doxazosin in general medical practice in New Zealand. 1991;121:323-8 (Symposium)
- Mason DT. Left ventricular thrombus in acute myocardial infarction. 1991;121:1851 (Letter)
- Matsui S (see Cahyadi et al.). 1991;121:1080-7
- Matsushima AY, Park J, Szule M, Poon E, Bierman FZ, Cooper RS, Ursell PC. Anomalous atrioventricular valve arcade. 1991;121:1824-6 (Brief comm.)
- Matsutani M (see Sugiura et al.). 1991;121:1409-12
- Maugeri C (see Cintolo et al.). 1991;121:597-9 (Brief comm.)
- McAllister M (see Hadjimiltiades et al.). 1991;121:1143-8
- McCall NT, Toffler GH, Schafer AI, Williams GH, Muller JE. The effect of enteric-coated aspirin on the morning increase in platelet activity. 1991;121:1382-8
- McCord J (see Lyons et al.). 1991;121:1555-8 (Brief comm.)
- McFallis E (see Kramas et al.). 1991;121:1951-5 (Symposium)
- McGrath MF (see Meesmann et al.). 1991;121:1703-13
- McLenaghan JM, Dargie HJ. A review of the clinical experience with celiprolol in angina. 1991;121:688-90 (Symposium)
- , Grant S, Ford I, Henderson E, Dargie HJ. Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II. 1991;121:691-6 (Symposium)
- (see Dargie et al.). 1991;121:1017-20 (Symposium)
- Medina O (see Monsalve et al.). 1991;121:356-61 (Symposium)
- Meesmann M, Karagueuzian HS, Ino T, McGrath MF, Mandel WJ. The role of enhanced vagal activity on ischemic ventricular tachycardia: pharmacologic basis of inefficiency. 1991;121:1703-13
- Meinertz T (see Hohnloser et al.). 1991;121:89-5
- Melandri G, Branzi A, Tartagni F, Esposti DD, Piauzzi S, Motta R, Bargossi A, Fallani F, Magnani B. Myocardial metabolic and hemodynamic effects of a sustained intravenous infusion of nifedipine with and without metoprolol in patients with unstable angina. 1991;121:44-51
- Meloni G (see Tumbarello et al.). 1991;121:616-8 (Brief comm.)
- Menlove RL (see Moreno et al.). 1991;121:1062-70
- Mennigus MA (see Veith et al.). 1991;121:1531-8 (Prog. cardiol.)
- Mercuro J (see Iskandrian et al.). 1991;121:889-94 (Prog. cardiol.)
- Merillat JC (see Grill et al.). 1991;121:194-8 (Brief comm.)
- Messmer BA (see Lambertz et al.). 1991;121:623-6 (Brief comm.)
- Mick W (see Goldman et al.). 1991;121:1224-7 (Brief comm.)
- MILIS Study Group (see Brezinski et al.). 1991;121:1374-81
- Miller LW. Mechanical assist devices in intensive cardiac care. 1991;121:1887-92 (Symposium)
- Minella RA, Schulman DS. Fatal verapamil toxicity and hypokalemia. 1991;121:1810-12 (Brief comm.)
- Mintz GS (see Davidson et al.). 1991;121:1549-50 (Brief comm.)
- (see Hadjimiltiades et al.). 1991;121:1143-8
- Mintz KJ (see Camann et al.). 1991;121:939-41 (Brief comm.)
- Mitrovic V. The use of intravenous milrinone in chronic symptomatic ischemic heart disease. 1991;121:1983-94 (Symposium)
- Miura Y, Watanabe M, Yoshinaga K, Japanese Doxazosin Study Group. An evaluation of the efficacy and safety of doxazosin in hypertension associated with renal dysfunction. 1991;121:381-8 (Symposium)
- Miyahara T (see Yokota and Miyahara). 1991;121:1848 (Letter reply)
- Miyatake K (see Nakatani et al.). 1991;121:770-5
- Moazzez F, Peter T, Simonson J, Mandel WJ, Vaughn C, Gang E. Syncope of unknown origin: clinical, noninvasive, and electrophysiologic determinants of arrhythmia induction and symptom recurrence during long-term follow-up. 1991;121:81-8
- Moch C (see Follansbee et al.). 1991;121:548-56
- Mogi J (see Taniori et al.). 1991;121:57-61
- Mohler ER III, Stark KS, Kent KM. Conservative management complications after thrombolytic therapy. 1991;121:591-3 (Brief comm.)
- Moise NS, Pacioretti LM, Kallfelz FA, Stipanuk MH, King JM, Gilmour RF Jr. Dietary taurine deficiency and dilated cardiomyopathy in the fox. 1991;121:541-7
- Molina J (see Romero-Cárdenas et al.). 1991;121:1831-4 (Brief comm.)
- Momomura S (see Yamashita et al.). 1991;121:1634-9
- Monge-Rangel L (see Alió-Bosch et al.). 1991;121:207-8 (Brief comm.)
- Monrad ES (see Corin et al.). 1991;121:537-40
- Monsalve P, Vera O, Acuña FP, Medina O, Ostojich K, López B, Torres N, de Franco VL, Fonseca R, Fraga F. Echocardiographic assessment of doxazosin on left ventricular mass in patients with essential hypertension. 1991;121:356-61 (Symposium)
- Montorsi P (see De Cesare et al.). 1991;121:1101-6
- Morady F (see Rosenheck et al.). 1991;121:512-7
- (see Rosenheck et al.). 1991;121:1693-8
- (see Rosenheck et al.). 1991;121:1809-10 (Brief comm.)
- Moreno FLL, Stoops KL, Hackworthy RA, Menlove RL, van Bree R, Anderson JL. Quantification of rate of coronary artery disease progression by a new method of angiographic analysis. 1991;121:1062-70
- Morgan JP, Perreault CL, Morgan KG. The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle. 1991;121:961-8 (Symposium)
- Morgan KG (see Morgan et al.). 1991;121:961-8 (Symposium)
- Morley D (see Hayes et al.). 1991;121:1639-48
- Morris JA Jr (see Gibler et al.). 1991;121:1-11
- Moskowitz WB, Newkumet KM, Albrecht GT, Goble MM, Schieken RM. Case of steel versus steal: coil embolization of

- congenital coronary arteriovenous fistula. 1991;121:909-11 (Brief comm.)
- Motta R (see Melandri et al.). 1991;121:44-51
- Moulton AL (see Latson et al.). 1991;121:1567-9 (Brief comm.)
- Movahed A (see Jolly et al.). 1991;121:517-23
- Moyer TP (see Hayes et al.). 1991;121:1639-48
- Muir AL, Nolan J. Modulation of venous tone in heart failure. 1991;121:1948-50 (Symposium)
- Mukai H (see Uchida et al.). 1991;121:1791-8 (Prog. cardiol.)
- Mukai S (see Hayano et al.). 1991;121:1070-9
- Muller DWM, Topol EJ, Ellis SG, Sigmon KN, Lee K, Califf RM, Thrombolysis and Angioplasty in Myocardial Infarction (TAMI) Study Group. Multivessel coronary artery disease: a key predictor of short-term prognosis after reperfusion therapy for acute myocardial infarction. 1991;121:1042-9
- Muller JE (see Brezinski et al.). 1991;121:1374-81
- (see McCall et al.). 1991;121:1382-8
- Munger MA (see Stanek et al.). 1991;121:1849-50 (Letter)
- Murata M (see Tataro et al.). 1991;121:797-802
- Muscat JE, Harris RE, Haley NJ, Wynder EL. Cigarette smoking and plasma cholesterol. 1991;121:141-7
- Myers MR, Parsonnet V, Bernstein AD. Extraction of implanted transvenous pacing leads: a review of a persistent clinical problem. 1991;121:881-8 (Curriculum cardiol.)
- N**
- Naber FB. An open, noncomparative study of doxazosin in essential hypertension: experience in general practice in the Netherlands. 1991;121:273-9 (Symposium)
- Nadeau R (see Giorgi et al.). 1991;121:1240-3 (Brief comm.)
- (see Giorgi et al.). 1991;121:1445-53
- Nagano M (see Hattori et al.). 1991;121:1735-42
- Nagasaka M, Hayashi H, Hirai M, Ichihara Y, Takahama S, Kondo K, Saito H. Detection of myocardial infarction in the presence of Wolff-Parkinson-White syndrome by QRST isoarea map in dogs. 1991;121:763-9
- Nagata S (see Nakatani et al.). 1991;121:770-5
- Nagatomo Y, Nakagawa S, Koiwaya Y, Tanaka K. Progression of coronary stenosis. 1991;121:1842-3 (Letter reply)
- Nagelhout DA, Pearson AC, Labovitz AJ. Diagnosis of paradoxical embolism by transesophageal echocardiography. 1991;121:1552-4 (Brief comm.)
- (see Gudipati et al.). 1991;121:919-22 (Brief comm.)
- Nair RN (see Stanek et al.). 1991;121:1849-50 (Letter)
- Nakagawa S (see Nagatomo et al.). 1991;121:1842-3 (Letter reply)
- Nakamori H (see Tsuji et al.). 1991;121:1679-84
- Nakamura F (see Uchida et al.). 1991;121:1221-4 (Brief comm.)
- Nakamura M (see Aoki et al.). 1991;121:1361-6
- (see Chishaki et al.). 1991;121:820-6
- Nakamura Y, Ikeda T, Takata S, Yokoi H, Hirono M, Abe T, Takazakura E, Kobayashi K-i. The role of peripheral capacitance and resistance vessels in hypotension following hemodialysis. 1991;121:1170-7
- Nakashima M (see Fukiyama et al.). 1991;121:317-22 (Symposium)
- Nakatani S, Nagata S, Beppu S, Ishikura F, Tamai J, Yamagishi M, Ohmori F, Kimura K, Takamiya M, Miyatake K. Acute reduction of mitral valve area after percutaneous balloon mitral valvuloplasty: assessment with Doppler continuity equation method. 1991;121:770-5
- Nakazawa Y (see Uchida et al.). 1991;121:1221-4 (Brief comm.)
- Nanda NC (see Ballal et al.). 1991;121:214-7 (Brief comm.)
- Naqvi SE (see Gonzalez et al.). 1991;121:118-25
- Narahara KA, Western Enoximone Study Group. Oral enoximone therapy in chronic heart failure: a placebo-controlled randomized trial. 1991;121:1471-9
- Nashville Prehospital TPA Trial (see Gibler et al.). 1991;121:1-11
- Natali A (see Ferramini and Natali). 1991;121:1274-82 (Symposium)
- Nath A (see Goudreau et al.). 1991;121:12-9
- (see Topaz et al.). 1991;121:450-6
- Neish AS (see Ridker et al.). 1991;121:1835-8 (Brief comm.)
- Neudert J (see von Scheidt et al.). 1991;121:1480-9
- Neumann A (see Lang et al.). 1991;121:1768-75
- (see Marcus et al.). 1991;121:926-9 (Brief comm.)
- Newkumet KM (see Moskowitz et al.). 1991;121:909-11 (Brief comm.)
- Nguyen T (see Iskandrian et al.). 1991;121:889-94 (Prog. cardiol.)
- Nicholas JA (see Gleim et al.). 1991;121:524-30
- Nicod P (see Gilpin et al.). 1991;121:457-65
- Niwano S, Aizawa Y. Fragmented atrial activity in patients with transient atrial fibrillation. 1991;121:62-7
- Nixon JV (see Gorcsan et al.). 1991;121:858-63
- Nolan J (see Muir and Nolan). 1991;121:1948-50 (Symposium)
- Nomoto J (see Tanoi et al.). 1991;121:57-61
- Nosadini R, Crepaldi G, D'Angelo A. Diabetes mellitus and hypertension: a physiologic basis for a rational therapeutic approach. 1991;121:1289-93 (Symposium)
- (see Ross et al.). 1991;121:1312-5 (Symposium)
- Nozaki A (see Yamashita et al.). 1991;121:1634-9
- O**
- Obayashi T (see Hattori et al.). 1991;121:1735-42
- O'Brien E, O'Malley K, Cox J, Stanton A. Ambulatory blood pressure monitoring in the evaluation of drug efficacy. 1991;121:999-1006 (Symposium)
- Odell PM (see Anderson et al.). 1991;121:293-8 (Symposium)
- O'Hara M (see Vassiliadis et al.). 1991;121:1403-8
- Ohman EM, Calif RM, George BS, Quigley PJ, Kerejakes DJ, Harrelson-Woodlie L, Candela RJ, Flanagan C, Stack RS, Topol EJ, Thrombolysis and Angioplasty in Myocardial Infarction (TAMI) Study Group. The use of intraaortic balloon pumping as an adjunct to reperfusion therapy in acute myocardial infarction. 1991;121:895-901
- Ohmori F (see Nakatani et al.). 1991;121:770-5
- Ohte N (see Hayano et al.). 1991;121:1070-9
- Ojile M (see Barth et al.). 1991;121:782-8
- (see Labovitz et al.). 1991;121:1347-52
- Okamura T (see Tanoi et al.). 1991;121:57-61
- Okumura K (see Kawaguchi et al.). 1991;121:1353-60
- Oliveira JSM, Bestetti RB, Marin-Neto JA, Costa RS, Carneiro JJ. Ruptured aortic dissection into the left atrium: a rare cause of congestive heart failure. 1991;121:936-8 (Brief comm.)
- Olson L (see Raeder et al.). 1991;121:508-11
- Omae T (see Fukiyama et al.). 1991;121:317-22 (Symposium)
- O'Malley K (see O'Brien et al.). 1991;121:999-1006 (Symposium)
- O'Neill WW (see Pavlides et al.). 1991;121:731-7
- (see Stewart et al.). 1991;121:1033-41
- O'Reilly M. Chronic use of acebutolol in the treatment of cardiac arrhythmias. 1991;121:1185-93 (Curriculum cardiol.)
- Oreto G (see Cintolo et al.). 1991;121:597-9 (Brief comm.)
- (see Satullo et al.). 1991;121:1507-12 (Curriculum cardiol.)
- Oshima T (see Uchida et al.). 1991;121:1791-8 (Prog. cardiol.)
- Ostojich K (see Monsalve et al.). 1991;121:356-61 (Symposium)
- Ott P, Fenster P. Combining thrombolytic agents to treat acute myocardial infarction. 1991;121:1583-4 (Editorial)
- Ozawa T (see Hattori et al.). 1991;121:1735-42
- Özme S (see Paşaoglu et al.). 1991;121:1821-4 (Brief comm.)
- P**
- Pacioretty LM (see Moise et al.). 1991;121:541-7
- Page PL (see Giorgi et al.). 1991;121:1240-3 (Brief comm.)
- (see Giorgi et al.). 1991;121:1445-53
- Paiement P (see Bonan et al.). 1991;121:1522-30 (Prog. cardiol.)
- Palombo C (see Genovesi-Ebert et al.). 1991;121:1113-18
- Panarace G (see Pedrinelli et al.). 1991;121:840-7
- Panidis IP (see Hadjimiltiades et al.). 1991;121:1143-8
- Pape L (see Whitfield et al.). 1991;121:1367-73
- Parham CS (see Grover et al.). 1991;121:426-33
- Park J (see Matsushima et al.). 1991;121:1824-6 (Brief comm.)
- Parker C (see Brezinski et al.). 1991;121:1374-81
- Parker JO (see DiBianco et al.). 1991;121:372-80 (Symposium)
- Parmley WW (see Holt et al.). 1991;121:531-7
- Parsonnet V (see Myers et al.). 1991;121:881-8 (Curriculum cardiol.)
- Paşaoglu İ, Doğan R, Özme S, Kale G, Bozor AY. Cardiac lymphangioma. 1991;121:1821-4 (Brief comm.)
- Pascual M (see Sager et al.). 1991;121:1671-8
- Pasierski T (see Pearson et al.). 1991;121:148-57 (Curriculum cardiol.)
- Pasquini L (see Vairo et al.). 1991;121:917-9 (Brief comm.)
- Patterson JH (see Curtis et al.). 1991;121:1655-64
- Pau S (see Kircher et al.). 1991;121:864-71
- Paulsen W (see Gorcsan et al.). 1991;121:858-63
- Pavlides GS, Schreiber TL, Gangadhara V, Puchrowicz S, O'Neill WW. Safety and efficacy of urokinase during elective coronary angioplasty. 1991;121:731-7

- Pearl W, Wilkin JH. Balloon pulmonary valvuloplasty. 1991; 121:1839 (Letter)
- Pearson AC, Gudipati CV, Labovitz AJ. Effects of aging on left ventricular structure and function. 1991;121:871-5
- , Pasierski T, Labovitz AJ. Left ventricular hypertrophy: diagnosis, prognosis, and management. 1991;121:148-57 (Curriculum cardioli.)
- (see Barth et al.). 1991;121:782-8
- (see Nagelhout et al.). 1991;121:1552-4 (Brief comm.)
- Pecis M (see Guzzetti et al.). 1991;121:1727-34
- Pecorelli A (see Corral et al.). 1991;121:352-6 (Symposium)
- Pedersen W (see Aguirre et al.). 1991;121:848-57
- Pedrinelli R, Taddei S, Favilla S, Simonini N, Spessot M, Panarace G, Salvetti A. An atrial natriuretic factor analogue at low doses attenuates forearm reflex vasoconstriction to cardiopulmonary receptor deactivation in patients with hypertension. 1991; 121:840-7
- Peirce JC (see Raschke et al.). 1991;121:1849 (Letter)
- Penick D (see Deligonul et al.). 1991;121:190-4 (Brief comm.)
- Perez de Juan Romero M, Dominguez LF. Exercise test in coronary spasm. 1991;121:1844-5 (Letter)
- Perreault CL (see Morgan et al.). 1991;121:961-8 (Symposium)
- Perrone MH, Barrett JA. Preclinical pharmacology of celiprolol: a cardioselective β -adrenergic antagonist and mild vasodilator. 1991;121:677-83 (Symposium)
- Peter T (see Moazzez et al.). 1991;121:81-8
- (see Simonson et al.). 1991;121:68-76
- Peters NS, Poole-Wilson PA. Myocarditis—continuing clinical and pathologic confusion. 1991;121:942-7 (Editorial)
- Pfeffer MA (see Lamas and Pfeffer). 1991;121:1194-1202 (Prog. cardioli.)
- (see Teerlink et al.). 1991;121:1852-3 (Editorial)
- Piazz S (see Melandri et al.). 1991;121:44-51
- Picard MH, Wilkins GT, Gillam LD, Thomas JD, Weyman AE. Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia. 1991;121:753-62
- Plante S, Laarman GJ, de Feyter PJ, Samson M, Rensing BJ, Umans V, Suryapranata H, van den Brand M, Serruys PW. Acute complications of percutaneous transluminal coronary angioplasty for total occlusion. 1991;121:417-26
- Plappert M (see St. John Sutton et al.). 1991;121:1776-8
- Plowden JS, Kimball TR, Bensky A, Savani R, Flake AW, Warner BW, von Allmen D, Ryckman FC. The use of extracorporeal membrane oxygenation in critically ill neonates with Ebstein's anomaly. 1991;121:619-22 (Brief comm.)
- Pocock WA, Barlow JB, Marcus RH, Barlow CW. Mitral valvuloplasty for life-threatening ventricular arrhythmias in mitral valve prolapse. 1991;121:199-202 (Brief comm.)
- Podrid PJ (see Wilson and Podrid). 1991;121:158-71 (Curriculum cardioli.)
- Polanco GA (see Alam et al.). 1991;121:1149-55
- Polese A (see De Cesare et al.). 1991;121:1101-6
- Pool JL. Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism. 1991;121:251-60 (Symposium)
- Poole-Wilson PA (see Peters and Poole-Wilson). 1991;121:942-7 (Editorial)
- Poon E (see Matsushima et al.). 1991;121:1824-6 (Brief comm.)
- Porcu M (see Tamburro et al.). 1991;121:616-8 (Brief comm.)
- Ports TA (see Zhu et al.). 1991;121:33-43
- Posada-de la Paz M (see James et al.). 1991;121:803-15
- Poulter N. Management of multiple risk factors for coronary heart disease in patients with hypertension. 1991;121:246-50 (Symposium)
- Prasad K, Lee P, Kalra J. Influence of endothelin on cardiovascular function, oxygen free radicals, and blood chemistry. 1991; 121:178-87 (Prog. cardioli.)
- Pridjian G (see Lang et al.). 1991;121:1768-75
- Prisant LM (see Houghton et al.). 1991;121:1107-12
- Prosdocimi M (see Guzzetti et al.). 1991;121:1727-34
- Prystowsky EN, Waldo AL, Fisher JD. Use of disopyramide by arrhythmia specialists after Cardiac Arrhythmia Suppression Trial: patient selection and initial outcome. 1991;121:1571-82 (Special report)
- Przyklenk K, Klener RA. Angiotensin converting enzyme inhibitors improve contractile function of stunned myocardium by different mechanisms of action. 1991;121:1319-30
- (see Whittaker et al.). 1991;121:434-41
- Puchrowicz S (see Pavlidis et al.). 1991;121:731-7
- Pupita G (see Gavrielides et al.). 1991;121:1665-70
- Quigley PJ (see Ohman et al.). 1991;121:895-901 (Prog. cardioli.)
- Rabbani LE, Wang PJ, Couper GL, Friedman PL. Time course of improvement in ventricular function after ablation of incessant automatic atrial tachycardia. 1991;121:816-9
- Rae EA, Hohnloser S, Vlay SC, Olson L. Short-term variability of ventricular arrhythmia and rapid assessment of drug efficacy. 1991;121:508-11
- Rahimtoola SH (see Gonzalez et al.). 1991;121:118-25
- (see Kulick and Rahimtoola). 1991;121:641-56 (Editorial)
- (see Sager et al.). 1991;121:1671-8
- (see Tak et al.). 1991;121:933-6 (Brief comm.)
- Ramsdale DR (see Grech and Ramsdale). 1991;121:603-6 (Brief comm.)
- Ranjadayalan K (see Umachandran et al.). 1991;121:1649-54
- Rao PS, Sideris EB, Chopra PS. Catheter closure of atrial septal defect: successful use in a 3.6 kg infant. 1991;121:1826-9 (Brief comm.)
- , Thapar MK. Balloon pulmonary valvuloplasty. 1991; 121:1839-40 (Letter reply)
- , Wilson AD, Sideris EB, Chopra PS. Transcatheter closure of patent ductus arteriosus with buttoned device: first successful clinical application in a child. 1991;121:1799-1802 (Prog. cardioli.)
- (see Solymar et al.). 1991;121:557-68 (Curriculum cardioli.)
- Rao R (see Fontaine et al.). 1991;121:494-508
- Raschke R, Guidry J, Laufer N, Peirce JC. Nitroglycerin-induced heparin resistance. 1991;121:1849 (Letter)
- Rayo I (see Madrid et al.). 1991;121:1547-9 (Brief comm.)
- Reaven GM. Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease. 1991;121:1283-8 (Symposium)
- Rechavia E (see Mager et al.). 1991;121:1543-4 (Brief comm.)
- Redel DA (see Gembruch et al.). 1991;121:1489-97
- Reder RF (see Hernandez et al.). 1991;121:1178-84 (Curriculum cardioli.)
- Reeves WC (see Jolly et al.). 1991;121:517-23
- Refsum H (see Björnstad et al.). 1991;121:1429-36
- Reinhart RA. Clinical correlates of the molecular and cellular actions of magnesium on the cardiovascular system. 1991;121:1513-21 (Curriculum cardioli.)
- Rensing BJ (see Plante et al.). 1991;121:417-26
- Rheuban KS, Carpenter MA, Everett AD, Gutgesell HP. Successful balloon pulmonary valvuloplasty in a neonate with Ebstein's anomaly and critical pulmonic stenosis. 1991;121:1565-7 (Brief comm.)
- Rials SJ (see Hernandez et al.). 1991;121:1178-84 (Curriculum cardioli.)
- Richez J (see Zimmermann et al.). 1991;121:576-85 (Prog. cardioli.)
- Ricou F (see Gilpin et al.). 1991;121:457-65
- Ridker PM, Chertow GM, Karlson EW, Neish AS, Schoen FJ. Bioprosthetic tricuspid valve stenosis associated with extensive plaque deposition in carcinoid heart disease. 1991;121:1835-8 (Brief comm.)
- (see Gengenbach and Ridker). 1991;121:202-3 (Brief comm.)
- Rieger GAJ, Wagner A. Excessive secretion of vasopressin during vasovagal reaction. 1991;121:602-3 (Brief comm.)
- Riggs T, Freij BJ. Hypoprothrombinemia and cephalosporins. 1991;121:1844 (Letter reply)
- Rincón LA (see Corral et al.). 1991;121:352-6 (Symposium)
- Rosa E (see Hernandez et al.). 1991;121:389-94 (Symposium)
- Roberts CS, Roberts WC. Aortic dissection with the entrance tear in abdominal aorta. 1991;121:1834-5 (Brief comm.)
- Roberts WC, Dollar AL. Extreme obstruction to left ventricular outflow by a bioprosthesis in the mitral valve position. 1991; 121:607-8 (Brief comm.)
- (see Klues et al.). 1991;121:1829-31 (Brief comm.)
- (see Kragel and Roberts). 1991;121:210-1 (Brief comm.)
- (see Roberts and Roberts). 1991;121:1834-5 (Brief comm.)
- Robinson S (see Martin et al.). 1991;121:745-52
- Robuck W (see Vacek et al.). 1991;121:1847 (Letter reply)
- Rocha-Maguey J (see Vargas-Barron et al.). 1991;121:1498-1501
- Rockman HA, Adamson RM, Dembinsky WP, Bonar JW, Jaski BE. Acute fulminant myocarditis: long term follow-up after circulatory support with left ventricular assist device. 1991;121:922-6 (Brief comm.)
- Roelandt J (see Kramps et al.). 1991;121:1951-5 (Symposium)

- Rokey R, Vick GW III, Bolli R, Lewandowski ED. Assessment of experimental pericardial effusion using nuclear magnetic resonance imaging techniques. 1991;121:1161-9
- Romano M. Postexercise systolic blood pressure in coronary artery disease. 1991;121:1847-8 (Letter)
- Romero-Cárdenas A, Vargas-Barrón J, Rylaarsdam M, Stümper O, Villegas M, Bandin MA, Keirns C, Molina J. Total anomalous pulmonary venous return: diagnosis by transesophageal echocardiography. 1991;121:1831-4 (Brief comm.)
- (see Vargas-Barrón et al.). 1991;121:931-3 (Brief comm.)
- (see Vargas-Barrón et al.). 1991;121:1498-1501
- Rose AG (see Wood et al.). 1991;121:610-3 (Brief comm.)
- Rose GC (see Jolly et al.). 1991;121:517-23
- Rosenal TW (see Belenkie et al.). 1991;121:407-16
- Rosenberg J (see Wrisley et al.). 1991;121:1554-5 (Brief comm.)
- Rosenheck S, Schmaltz S, Kadish AH, Summitt J, Morady F. The effect of quinidine and mexiletine on the adaptation of ventricular refractoriness to an increase in rate. 1991;121:512-7
- , Sousa J, Calkins H, Kadish AH, Morady F. Effect of verapamil on infranodal conduction in patients with baseline His-Purkinje conduction delay. 1991;121:1809-10 (Brief comm.)
- , —, —, Schmaltz S, deBuiteler M, Kadish AH, Morady F. Comparison of the results of electrophysiologic testing after short-term and long-term treatment with amiodarone in patients with ventricular tachycardia. 1991;121:1693-8
- Rosman HS (see Alam et al.). 1991;121:1149-55
- Ross J (see Hadjimiltiades et al.). 1991;121:1143-8
- Ross J Jr (see Gilpin et al.). 1991;121:457-65
- Ross SA, Kannel WB, Ferrannini E, Sever PS, Chang PC, Feher MD, Lehtonen A, Nosadini R. States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—group discussion. 1991;121:1312-5 (Symposium)
- , —. States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction. 1991;121:1267 (Symposium)
- , —. States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—summary. 1991;121:1316-8 (Symposium)
- Rossi AF, Kipel G, Golinko RJ, Griep RB. Use of adenosine in postoperative junctional ectopic tachycardia with 1:1 retrograde atrial conduction. 1991;121:1237-9 (Brief comm.)
- Roth DL (see Belenkie et al.). 1991;121:407-16
- Roth J (see Ferrick et al.). 1991;121:206-7 (Brief comm.)
- (see Kim et al.). 1991;121:77-80
- Rothman A, Snyder J. Protein-losing enteropathy following the Fontan operation: resolution with prednisone therapy. 1991;121:618-9 (Brief comm.)
- Rugstad HE (see Holme et al.). 1991;121:260-7 (Symposium)
- Ryan T (see Lewis et al.). 1991;121:1088-94
- Ryan TJ (see Jacobs et al.). 1991;121:442-9
- Ryckman FC (see Plowden et al.). 1991;121:619-22 (Brief comm.)
- Rydén L (see Grip and Rydén). 1991;121:737-45
- Rylaarsdam M (see Romero-Cárdenas et al.). 1991;121:1831-4 (Brief comm.)
- , Henry D, Wechsler AS, DiSciascio G, Vetrovec GW. Late complications involving the ascending aorta after cardiac surgery: recognition and management. 1991;121:1779-83 (Curriculum cardioli.)
- Sade RM (see Fyfe et al.). 1991;121:1156-60
- Sadoul N (see Bremilla-Perron et al.). 1991;121:1124-31
- Saeedi SF (see Johnson et al.). 1991;121:20-4
- Sager PT, Widerhorn J, Pascual M, Leon C, Rahimtoola SH, Bhandari AK. A prospective evaluation of the immediate reproducibility of the signal-averaged ECG. 1991;121:1671-8
- Sagie A (see Mager et al.). 1991;121:1543-4 (Brief comm.)
- Sahni R, Maniet AR, Voci G, Banka VS. Prevention of restenosis by lovastatin after successful coronary angioplasty. 1991;121:1600-8
- Saihara S (see Yamashita et al.). 1991;121:1634-9
- St. John Sutton M, Cole P, Plappert M, Saltzman D, Goldhaber S. Effects of subsequent pregnancy on left ventricular function in peripartum cardiomyopathy. 1991;121:1776-8
- Saito H (see Nagasaka et al.). 1991;121:763-9
- (see Yamada et al.). 1991;121:1618-27
- Sakai K (see Aoki et al.). 1991;121:1361-6
- Sakakibara Y (see Hayano et al.). 1991;121:1070-9
- Salem B (see Seike et al.). 1991;121:1544-7 (Brief comm.)
- Salerno DM (see Wang and Salerno). 1991;121:1236-7 (Brief comm.)
- Saltz D (see St. John Sutton et al.). 1991;121:1776-8
- Salvetti A (see Pedrinelli et al.). 1991;121:840-7
- Samson M (see Plante et al.). 1991;121:417-26
- Sanchez RA (see Franco et al.). 1991;121:1813-5 (Brief comm.)
- Sanchez-Ugarte T (see Vargas-Barrón et al.). 1991;121:1498-1501
- Sanna A (see Tumbarello et al.). 1991;121:616-8 (Brief comm.)
- Sanyal R (see Ballal et al.). 1991;121:214-7 (Brief comm.)
- Saruta T (see Maruyama et al.). 1991;121:1302-6 (Symposium)
- Sassa H (see Kawaguchi et al.). 1991;121:1353-60
- Satake T (see Hattori et al.). 1991;121:1735-42
- (see Kawaguchi et al.). 1991;121:1353-60
- Sathe SV, Khanolkar UB, Kaneria VK, Srinivas A, Dalvi BV, Kale PA, Sivaraman V, Kinare SG. Superoinferior ventricles: report of six cases. 1991;121:1234-6 (Brief comm.)
- Satullo G, Oreto G, Luzzu F, Consolo A, Donato A. Sinus parasympathetic. 1991;121:1507-12 (Curriculum cardioli.)
- Savani R (see Plowden et al.). 1991;121:619-22 (Brief comm.)
- Savard P (see Giorgi et al.). 1991;121:1240-3 (Brief comm.)
- (see Giorgi et al.). 1991;121:1445-53
- Sawada SG (see Lewis et al.). 1991;121:1088-94
- Schafer AI (see McCall et al.). 1991;121:1382-8
- Schaffer MS, Gillette PC. Ventriculoatrial intervals during narrow complex reentrant tachycardia in children. 1991;121:1699-1702
- Schiek RM (see Moskowitz et al.). 1991;121:909-11 (Brief comm.)
- Schiller NB (see Auffermann et al.). 1991;121:1750-8
- (see Kircher et al.). 1991;121:864-71
- Schleifer SJ, Slater WR, Macari-Hinson MM, Coyle DA, Kahn M, Zucker HD, Gorlin R. Digitalis and β-blocking agents: effects on depression following myocardial infarction. 1991;121:1397-1402
- Schmalz S (see Rosenheck et al.). 1991;121:512-7
- (see Rosenheck et al.). 1991;121:1693-8
- Schnurr LP (see Belenkie et al.). 1991;121:407-16
- Schoen FJ (see Ridker et al.). 1991;121:1835-8 (Brief comm.)
- Schorck MA (see Stewart et al.). 1991;121:1033-41
- Schreiber TL (see Pavlides et al.). 1991;121:731-7
- Schulman DS (see Breisblatt et al.). 1991;121:1609-17
- (see Minella and Schulman). 1991;121:1810-12 (Brief comm.)
- Schumacher WA (see Groves et al.). 1991;121:426-33
- Schwaiger M (see Stewart et al.). 1991;121:1033-41
- Schwartz K (see Green et al.). 1991;121:1569-70 (Brief comm.)
- Schwinger ME (see Fusman et al.). 1991;121:613-6 (Brief comm.)
- Sciveres G (see Cintolo et al.). 1991;121:597-9 (Brief comm.)
- Sclarovsky S (see Mager et al.). 1991;121:1543-4 (Brief comm.)
- Scott H (see Martin et al.). 1991;121:745-52
- Scott-Douglas NW (see Smiseth et al.). 1991;121:1454-9
- Seacord L (see Deligonul et al.). 1991;121:190-4 (Brief comm.)
- Segar DS (see Lewis et al.). 1991;121:1088-94
- Selke KG, Vemulapalli P, Brodarick SA, Coordes C, Gowda S, Salem B, Alpert MA. Giant coronary artery aneurysm: detection with echocardiography, computed tomography, and magnetic resonance imaging. 1991;121:1544-7 (Brief comm.)
- Seizawa T (see Yamashita et al.). 1991;121:1634-9
- Serao H, Kern MJ, Deligonul U, Aguirre F, Caralis DG. Ergonovine-induced myocardial ischemia without epicardial coronary vasospasm: evidence for ischemia produced by small vessel vasoconstriction. 1991;121:1807-9 (Brief comm.)
- (see Aguirre et al.). 1991;121:848-57
- (see Gudipati et al.). 1991;121:191-22 (Brief comm.)
- Serrano CM (see Madrid et al.). 1991;121:1547-9 (Brief comm.)
- Serruya PW (see Bux et al.). 1991;121:1389-96
- (see Kram et al.). 1991;121:1951-5 (Symposium)
- (see Plante et al.). 1991;121:417-26
- (see van Syulen et al.). 1991;121:914-6 (Brief comm.)
- Servin JB (see Alam et al.). 1991;121:1149-55
- Sever PS. Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—introduction. 1991;121:245 (Symposium)
- . Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—summary. 1991;121:406 (Symposium)
- (see Ross et al.). 1991;121:1312-5 (Symposium)

- Sezhiyan T (see Vassiliadis et al). 1991;121:1403-8
Shanks RG. Clinical pharmacology of vasodilatory β -blocking drugs. 1991;121:1006-11 (Symposium)
Sharma S (see Loya and Sharma). 1991;121:1840-1 (Letter)
Sharpe DN (see Webster et al). 1991;121:1229-31 (Brief comm.)
Sheikh KH, Harrison JK, Harding MB, Himmelstein SI, Kisslo KB, Davidson CJ, Bashore TM. Detection of angiographically silent coronary atherosclerosis by intracoronary ultrasonography. 1991;121:1803-7 (Brief comm.)
— (see Fortin et al). 1991;121:25-32
Shenasa M (see Giorgi et al). 1991;121:1240-3 (Brief comm.)
— (see Giorgi et al). 1991;121:1445-53
Shibata A (see Igarashi et al). 1991;121:1094-1100
Shimada T (see Tsuji et al). 1991;121:1679-84
— (see Yotsukura et al). 1991;121:1137-42
Shrivastava S (see Dev and Shrivastava). 1991;121:1841 (Letter reply)
Shroff SG (see Chiu et al). 1991;121:1460-70
Sideris EB (see Rao et al). 1991;121:1799-1802 (Prog. cardiol.)
— (see Rao et al). 1991;121:1826-9 (Brief comm.)
Sigmon KN (see Muller et al). 1991;121:1042-9
Sigmund M (see Lambertz et al). 1991;121:623-6 (Brief comm.)
Sigwart U (see Stauffer et al). 1991;121:1539-42 (Brief comm.)
Silva H, Fonseca R, Marshall D. Doxazosin in the treatment of essential hypertension in general medical practice in Latin America. 1991;121:329-35 (Symposium)
Silverman NA (see Alam et al). 1991;121:1149-55
Simonin P (see Zimmerman et al). 1991;121:576-85 (Prog. cardiol.)
Simonini N (see Pedrinelli et al). 1991;121:840-7
Simonson JS, Gang ES, Mandel W, Peter T. Increasing the yield of ventricular tachycardia induction: a prospective, randomized comparative study of the standard ventricular stimulation protocol to a short-to-long protocol and a new two-site protocol. 1991;121:68-76
— (see Moazzez et al). 1991;121:81-8
Simpson JB (see van Suylen et al). 1991;121:914-6 (Brief comm.)
Singer F. Risk factors for coronary artery disease: taking the family history. 1991;121:947-8 (Editorial)
Singh JB (see DiBianco et al). 1991;121:372-80 (Symposium)
Singh SN, Lazin A, Cohen A, Johnson M, Fletcher RD. Sotalol-induced torsades de pointes successfully treated with hemodialysis after failure of conventional therapy. 1991;121:601-2 (Brief comm.)
Sisson JC, Bolgos G, Johnson J. Measuring acute changes in adrenergic nerve activity of the heart in the living animal. 1991;121:1119-23
Sivaraman A (see Sathe et al). 1991;121:1234-6 (Brief comm.)
Slama R (see Leclercq et al). 1991;121:1685-92
Slater WR (see Schleifer et al). 1991;121:1397-1402
Sleight P. Cardiovascular risk factors and the effects of intervention. 1991;121:990-5 (Symposium)
Smialek JE (see Burke et al). 1991;121:568-75 (Curriculum cardiol.)
Smiseth OA, Manyari DE, Scott-Douglas NW, Wang Y, Kingma I, Smith ER, Tyberg JV. The effect of nitroglycerin on pulmonary vascular capacitance in dogs. 1991;121:1454-9
Smith ER (see Belenkis et al). 1991;121:407-16
— (see Smiseth et al). 1991;121:1454-9
Smith JE (see Barrington et al). 1991;121:1227-9 (Brief comm.)
Smith MD, Wisenbaugh T, Grayburn PA, Gurley JC, Spain MG, DeMaria AN. Value and limitations of Doppler pressure half-time in quantifying mitral stenosis: a comparison with micromanometer catheter recordings. 1991;121:480-8
Smith S (see Lyons et al). 1991;121:1555-8 (Brief comm.)
Snow FR (see Gorcsan et al). 1991;121:858-63
Snyder J (see Rothman and Snyder). 1991;121:618-9 (Brief comm.)
Soffer A (see Topaz et al). 1991;121:450-6
Soldevilla LB (see James et al). 1991;121:803-15
Soler-Soler J (see Alio-Bosch et al). 1991;121:207-8 (Brief comm.)
Solymar L, Rao PS, Mardini MK, Fawzy ME, Guinn G. Prosthetic valves in children and adolescents. 1991;121:557-68 (Curriculum cardiol.)
Sone T (see Kawaguchi et al). 1991;121:1353-60
Sonnenblick ES (see Corin et al). 1991;121:537-40
Soo C-S (see Yeoh et al). 1991;121:1551-2 (Brief comm.)
Sotobata I (see Terazawa et al). 1991;121:1437-44
Sousa J (see Rosenheck et al). 1991;121:1693-8
— (see Rosenheck et al). 1991;121:1809-10 (Brief comm.)
Spain MG (see Smith et al). 1991;121:480-8
Spessot M (see Pedrinelli et al). 1991;121:840-7
Spinale FG (see Trippel et al). 1991;121:1721-6
Splinter R (see Littmann et al). 1991;121:96-104
Srinivas A (see Sathe et al). 1991;121:1234-6 (Brief comm.)
Stachenfeld NS (see Gleim et al). 1991;121:524-30
Stack RS (see Ohman et al). 1991;121:895-901 (Prog. cardiol.)
Stanek EJ, Nair RN, Munger MA. Nitroglycerin-induced heparin resistance. 1991;121:1849-50 (Letter)
Stanton A (see O'Brien et al). 1991;121:999-1006 (Symposium)
Stappers JLM (see de Zwaan et al). 1991;121:789-97
Stark KS (see Mohler et al). 1991;121:591-3 (Brief comm.)
Statler LS (see Klues et al). 1991;121:1829-31 (Brief comm.)
Stauffer J-C, Sigwart U, Goy J-J, Kappenberg L. Milking dissection: an unusual complication of emergency coronary artery stenting for acute occlusion. 1991;121:1539-42 (Brief comm.)
Steitert K (see Hohnloser et al). 1991;121:89-95
Stevenson WG (see Hwang et al). 1991;121:938-9 (Brief comm.)
Stewart RE, Kander N, Juni JE, Ellis SG, O'Neill WW, Schork MA, Topol EJ, Schweiger M. Submaximal exercise thallium-201 SPECT for assessment of interventional therapy in patients with acute myocardial infarction. 1991;121:1033-41
Stewart WJ (see Casale et al). 1991;121:476-9
Stipanul MH (see Moise et al). 1991;121:541-7
Stokke HP (see Holme et al). 1991;121:260-7 (Symposium)
Stone PH (see Brezinski et al). 1991;121:1374-81
Stoops KL (see Moreno et al). 1991;121:1062-70
Strasberg B (see Mager et al). 1991;121:1543-4 (Brief comm.)
Strauss BH (see van Suylen et al). 1991;121:914-6 (Brief comm.)
Strom JA (see Corin et al). 1991;121:537-40
Stümper O (see Romero-Cárdenas et al). 1991;121:1831-4 (Brief comm.)
Stupienski RF (see Wallace et al). 1991;121:1413-21
Sugimachi M (see Chishaki et al). 1991;121:820-6
Sugimoto T (see Uchida et al). 1991;121:1221-4 (Brief comm.)
— (see Yamashita et al). 1991;121:1634-9
Sugiura T, Iwasaka T, Takahashi N, Yuasa F, Takeuchi M, Hasegawa T, Matsutani M, Inada M. Factors associated with atrial fibrillation in Q wave anterior myocardial infarction. 1991;121:1409-12
— (see Tsuji et al). 1991;121:1679-84
Sugiyama S (see Hattori et al). 1991;121:1735-42
Summitt J (see Rosenheck et al). 1991;121:512-7
Sun I (see Alam and Sun). 1991;121:1819-21 (Brief comm.)
— (see Alam et al). 1991;121:1149-55
Sunagawa K (see Chishaki et al). 1991;121:820-6
Sunjai R (see Fontaine et al). 1991;121:494-508
Suryapranata H (see Bux et al). 1991;121:1389-96
— (see Plante et al). 1991;121:417-26
Suzuki M (see Terazawa et al). 1991;121:1437-44
Svenson RH (see Littmann et al). 1991;121:96-104
Sweeney ME (see Fletcher et al). 1991;121:105-110
Szulc M (see Matsushima et al). 1991;121:1824-6 (Brief comm.)

T

- Tabbalat RA, Haft JI. Effect of severe pulmonary hypertension on the calculation of mitral valve area in patients with mitral stenosis. 1991;121:488-93
Taddei S (see Pedrinelli et al). 1991;121:840-7
Tak T, Goel S, Chandrasoma P, Colletti P, Rahimtoola SH. Syncytial sarcoma of the right ventricle. 1991;121:933-6 (Brief comm.)
— (see Gonzalez et al). 1991;121:118-25
Takahama S (see Nagasaka et al). 1991;121:763-9
Takahashi N (see Sugiyama et al). 1991;121:1409-12
Takamiya M (see Nakatani et al). 1991;121:770-5
Takata K (see Hayano et al). 1991;121:1070-9
Takata S (see Nakamura et al). 1991;121:1170-7
Takazakura E (see Nakamura et al). 1991;121:1170-7
Takeda T (see Fukiyama et al). 1991;121:317-22 (Symposium)
Takei I (see Maruyama et al). 1991;121:1302-6 (Symposium)
Takeishi Y, Tono-oka I, Ikeda K, Komatani A, Tsuiki K, Yasui S. Dilatation of the left ventricular cavity on dipyridamole thallium-201 imaging: a new marker of triple-vessel disease. 1991;121:466-75
Takekoshi N (see Cahyadi et al). 1991;121:1080-7
Takeshita A (see Aoki et al). 1991;121:1361-6
Takeuchi M (see Sugiura et al). 1991;121:1409-12
Talseth T, Westlie L, Daae L. Doxazosin and atenolol as monotherapy in mild and moderate hypertension: a randomized, par-

- allel study with a three-year follow-up. 1991;121:280-5 (Symposium)
- Tamai J (see Nakatani et al). 1991;121:770-5
- Tanaka K (see Nagatomo et al). 1991;121:1842-3 (Letter reply)
- Tanaka M (see Hattori et al). 1991;121:1735-42
- Tande PM (see Björnstad et al). 1991;121:1429-36
- Tanorio T, Komatsu C, Ishinaga T, Tokuhisa Y, Makino H, Nomoto J, Mogi J, Okamura T. Study on the genesis of the double potential recorded in the high right atrium in atrial flutter and its role in the reentry circuit of atrial flutter. 1991;121:57-61
- Tanser PH (see DiBianco et al). 1991;121:372-80 (Symposium)
- Tartagni F (see Melandri et al). 1991;121:44-51
- Tatara K, Kusakawa S, Itoh K, Honma S, Hashimoto K, Kazuma N, Lee K, Asai T, Murata M. Collateral circulation in Kawasaki disease with coronary occlusion or severe stenosis. 1991;121:797-802
- Tatsis GP (see Littmann et al). 1991;121:96-104
- Taylor AB (see Fife et al). 1991;121:1156-60
- Taylor SH. Efficacy and safety of doxazosin in the treatment of patients with mild or moderate essential hypertension and elevated levels of cholesterol. 1991;121:362-6 (Symposium)
- . Efficacy of celiprolol in the elderly hypertensive patient. 1991;121:1020-9 (Symposium)
- . Efficacy of doxazosin in specific hypertensive patient groups. 1991;121:286-92 (Symposium)
- Teerlink JR, Goldhaber SZ, Pfeffer MA. An overview of contemporary etiologies of congestive heart failure. 1991;121:1852-3 (Editorial)
- Teichman SL (see Giblet et al). 1991;121:1-11
- Terán VD (see Corral et al). 1991;121:352-6 (Symposium)
- Teran Urbanetz LL (see Marin-Neto et al). 1991;121:134-40
- Terazawa T, Suzuki M, Goto T, Kato R, Hayashi H, Ito A, Isikawa S, Sotobata I. Suppressive effect of SUN1165 on supraventricular tachycardia. 1991;121:1437-44
- Terrier de la Chaise A (see Brembilla-Perrot et al). 1991;121:1124-31
- Thapar MK (see Rao and Thapar). 1991;121:1839-40 (Letter reply)
- The Finnish Multicenter Study Group (see Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-15 (Symposium)
- Thomas JD (see Picard et al). 1991;121:753-62
- Thompson M (see Littmann et al). 1991;121:96-104
- Thrombolysis and Angioplasty in Myocardial Infarction (TAMI) Study Group (see Muller et al). 1991;121:1042-9
- (see Ohman et al). 1991;121:895-901 (Prog. cardiol.)
- Timmis AD (see Umachandran et al). 1991;121:1649-54
- Tofler GH (see Brezinski et al). 1991;121:1374-81
- (see McCall et al). 1991;121:1382-8
- Tokuhisa Y (see Tanorio et al). 1991;121:57-61
- Tomson T (see Kennebäck et al). 1991;121:1421-9
- Tono-oka I (see Takeishi et al). 1991;121:466-75
- Tooke A (see Wood et al). 1991;121:610-3 (Brief comm.)
- Toole JC (see Goldman et al). 1991;121:1224-7 (Brief comm.)
- Topaz O, Disciassio G, Cowley MJ, Lanter P, Soffer A, Warner M, Nath A, Goudreau E, Halle AA III, Vetrovec GW. Complete left main coronary artery occlusion: angiographic evaluation of collateral vessel patterns and assessment of hemodynamic correlates. 1991;121:450-6
- Topol EJ (see Muller et al). 1991;121:1042-9
- (see Ohman et al). 1991;121:895-901 (Prog. cardiol.)
- (see Stewart et al). 1991;121:1033-41
- Torres N (see Monsalve et al). 1991;121:356-61 (Symposium)
- Tousoulis D (see Gavrielides et al). 1991;121:1665-70
- Traboulsi M (see Belenkis et al). 1991;121:407-16
- Trippel DL, Harold ME, Spinalle FG, Buckles DS, Gillette PC. The acute effects of flecainide in the swine heart failing from incessant supraventricular tachycardia. 1991;121:1721-6
- Tsai L-M, Hung J-S, Chen J-H, Lin L-J, Fu M. Resolution of left atrial appendage thrombus in mitral stenosis after warfarin therapy. 1991;121:1232-4 (Brief comm.)
- Tsubo H (see Kawaguchi et al). 1991;121:1353-60
- Tsuiki K (see Takeishi et al). 1991;121:466-75
- Tsuiki H, Iwasaka T, Sugiura T, Shimada T, Nakamori H, Kimura Y, Inada M. Relationship between redistribution on exercise thallium-201 scintigraphy and repetitive ventricular premature beats in patients with recent myocardial infarction. 1991;121:1679-84
- Tumbarello R, Abbruzzese PA, Meloni G, Porcu M, Martelli V, Sanna A. A variant of the scimitar syndrome with stenosed drainage of the inferior vena cava. 1991;121:616-8 (Brief comm.)
- Tunick PA (see Katz et al). 1991;121:211-4 (Brief comm.)
- Tunelder JR (see Littmann et al). 1991;121:96-104
- Turiello C (see Wrisley et al). 1991;121:1554-5 (Brief comm.)
- Tyberg JV (see Smiseth et al). 1991;121:1454-9
- U**
- Uchida Y, Nakamura F, Kido H, Kamijo T, Nakazawa Y, Sugimoto T. Percutaneous cardiomyotomy and valvulotomy with angiographic guidance. 1991;121:1221-4 (Brief comm.)
- , Oshima T, Fujimori Y, Hirose J, Mukai H, Kawashima M. Percutaneous fiberoptic angiography of the cardiac valves. 1991;121:1791-8 (Prog. cardiol.)
- Umachandran V, Ranjadayalan K, Ambeprityia G, Marchant B, Kopelman PG, Timmis AD. The perception of angina in diabetes: relation to somatic pain threshold and autonomic function. 1991;121:1649-54
- Umans V (see Plante et al). 1991;121:417-26
- United States Milrinone Multicenter Investigators (see Anderson and United States Milrinone Multicenter Investigators). 1991;121:1956-64 (Symposium)
- Uppstrom E (see Deligonul et al). 1991;121:190-4 (Brief comm.)
- Uretsky BF, Hua J. Combined intravenous pharmacotherapy in the treatment of patients with decompensated congestive heart failure. 1991;121:1879-86 (Symposium)
- Ursell PC (see Matsushima et al). 1991;121:1824-6 (Brief comm.)
- Ursell SN (see Fontaine et al). 1991;121:494-508
- Usui M (see Yamashita et al). 1991;121:1634-9
- V**
- Vacek JL, Beauchamp GD, Robuck W. PTCA in acute myocardial infarction. 1991;121:1847 (Letter reply)
- Vairo U, Di Donato RM, Marino B, Pasquini L, di Carlo D, Ballerini L. Balloon occlusion of the ascending aorta for angiographic visualization of the coronary arteries in neonates with transposition of the great arteries. 1991;121:917-9 (Brief comm.)
- Vallin H (see Kennebäck et al). 1991;121:1421-9
- van Bree R (see Moreno et al). 1991;121:1062-70
- van den Brand M (see Bux et al). 1991;121:1389-96
- (see Plante et al). 1991;121:417-26
- vander Giessen WJ (see Kramps et al). 1991;121:1951-5 (Symposium)
- Van Der Laarse A (see Van Gelder et al). 1991;121:51-6
- van der Wall EE, de Roos A, van Voorthuisen AE, Bruschke AVG. Magnetic resonance imaging: A new approach for evaluating coronary artery disease? 1991;121:1203-20 (Prog. cardiol.)
- Van Gelder IC, Crijns HJ, Van Der Laarse A, Van Gilst WH, Lie KL. Incidence and clinical significance of ST segment elevation after electrical cardioversion of atrial fibrillation and atrial flutter. 1991;121:51-6
- Van Gilst WH (see Van Gelder et al). 1991;121:51-6
- van Suylen RJ, Serruys PW, Simpson JB, de Feyter PJ, Strauss BH, Zondervan PE. Delayed rupture of right coronary artery after directional atherectomy for bail-out. 1991;121:914-6 (Brief comm.)
- van Voorthuisen AE (see van der Wall et al). 1991;121:1203-20 (Prog. cardiol.)
- Vardhan IN, Aharonian VJ, Gordon S, Maher PR. A rare complication of percutaneous transluminal coronary angioplasty—left main disease. 1991;121:902-5 (Brief comm.)
- Vargas-Barron J, Buenfil-Medina C, Sanchez-Ugarte T, Keirns C, Rocha-Maguey J, Romero-Cárdenas A, Lupi-Herrera E. Ventriculoatrial shunts for hydrocephalus and cardiac valvulopathy: an echocardiographic evaluation. 1991;121:1498-1501
- , Romero-Cárdenas A, Villegas M, Keirns C, Gomez-Jaume A, Delong R, Malo-Camacho R. Transthoracic and transesophageal echocardiographic diagnosis of myxomas in the four cardiac cavities. 1991;121:931-3 (Brief comm.)
- (see Romero-Cárdenas et al). 1991;121:1831-4 (Brief comm.)
- Vassiliadis IV, Machac J, O'Hara M, Sezhiyan T, Horowitz SF. Exercise-induced myocardial dysfunction in patients with coronary artery disease with and without angina. 1991;121:1403-8
- Vaughn C (see Moazez et al). 1991;121:81-8
- Veith FJ, Bakal CW, Cynamon J, Gupta SK, Keeley J, Greenberg M, Mennigus MA, Wengerter KR, Dietzek AM. Early experi-

- ence with the smart laser in the treatment of atherosclerotic occlusions. 1991;121:1531-8 (Prog. cardiol.)
Vemulapalli P (see Selke et al.). 1991;121:1544-7 (Brief comm.)
Venglarik JS III (see Saalouk et al.). 1991;121:905-9 (Brief comm.)
Venturi F (see Di Donato et al.). 1991;121:776-81
Vera O (see Monsalve et al.). 1991;121:356-61 (Symposium)
Verdoun PD (see Kramps et al.). 1991;121:xx5 (Symposium)
Vetrovec GW (see Goudreau et al.). 1991;121:12-9
— (see Sabri et al.). 1991;121:876-80 (Curriculum cardiol.)
— (see Sabri et al.). 1991;121:1779-83 (Curriculum cardiol.)
— (see Topaz et al.). 1991;121:450-6
Vick GW III (see Rokey et al.). 1991;121:1161-9
Villagrà F (see Madrid et al.). 1991;121:1547-9 (Brief comm.)
Villegas M (see Romero-Cárdenas et al.). 1991;121:1831-4 (Brief comm.)
— (see Vargas-Barron et al.). 1991;121:931-3 (Brief comm.)
Vincent J-L. Advances in the concepts of intensive care. 1991;121:1859-65 (Symposium)
Virmani R (see Burke et al.). 1991;121:568-75 (Curriculum cardiol.)
Viskin S, Belhassen B. Adenosine for SVT. 1991;121:1846-7 (Letter reply)
Vlay SC, Dervan JP, Elias J, Kane PP, Dattwyler R. Ventricular tachycardia associated with Lyme carditis. 1991;121:1558-60 (Brief comm.)
— (see Raeder et al.). 1991;121:508-11
Voci G (see Sahni et al.). 1991;121:1600-8
Vogel RA (see Martin et al.). 1991;121:745-52
Vogel WM (see Jacobs et al.). 1991;121:442-9
von Allmen D (see Plowden et al.). 1991;121:619-22 (Brief comm.)
von Dohlen TW (see Houghton et al.). 1991;121:1107-12
von Scheidt W, Neudert J, Erdmann E, Kemkes BM, Gokel JM, Autenrieth G. Contractility of the transplanted, denervated human heart. 1991;121:1480-9
- W**
Wagner A (see Rieger and Wagner). 1991;121:602-3 (Brief comm.)
Wagner S (see Auffermann et al.). 1991;121:1750-8
Waldo AL (see Prystowsky et al.). 1991;121:1571-82 (Special report)
Wallace AA, Stupienski RF, Heaney LA, Gehret JR, Lynch JJ Jr. Antiarrhythmic actions of tocainide in canine models of previous myocardial infarction. 1991;121:1413-21
Wallace RB (see Klues et al.). 1991;121:1829-31 (Brief comm.)
Wang K, Salerno DM. Pseudo AV block secondary to concealed premature His bundle depolarizations. 1991;121:1236-7 (Brief comm.)
Wang PJ (see Rabbani et al.). 1991;121:816-9
Wang Y (see Smiseth et al.). 1991;121:1454-9
Warltier DC (see Kenny et al.). 1991;121:1339-47
— (see Wynsner et al.). 1991;121:1331-8
Warner BW (see Plowden et al.). 1991;121:619-22 (Brief comm.)
Warner M (see Topaz et al.). 1991;121:450-6
Watanabe M (see Miura et al.). 1991;121:381-8 (Symposium)
Weber MA. Hypertension with concomitant conditions: the changing role of β -adrenoceptor blockade. 1991;121:716-23 (Symposium)
Webster MWI, Sharpe DN, Coxon R, Hughes J. Nitrate tolerance in angina pectoris: effect of transdermal nitroglycerin with a four-hour nitrate-free interval. 1991;121:1229-31 (Brief comm.)
Wechsler AS (see Sabri et al.). 1991;121:1779-83 (Curriculum cardiol.)
Weiss JL (see Grill et al.). 1991;121:194-8 (Brief comm.)
Wellens HJJ (see de Zwaan et al.). 1991;121:789-97
Wengerter KR (see Veith et al.). 1991;121:1531-8 (Prog. cardiol.)
Wessels F. Double-blind comparison of doxazosin and enalapril in patients with mild or moderate essential hypertension. 1991;121:299-303 (Symposium)
Western Enoximone Study Group (see Narahara and Western Enoximone Study Group). 1991;121:1471-9
Westlie L (see Talseth et al.). 1991;121:280-5 (Symposium)
Weyman AE (see Picard et al.). 1991;121:753-62
Whitfield S, Aurigemma G, Pape L, Leppo J. Two-dimensional Doppler echocardiographic correlation of dipyridamole-thallium stress testing with isometric handgrip. 1991;121:1367-73
Whitlow PL (see Casale et al.). 1991;121:476-9
- Whittaker P, Boughner DR, Kloner RA, Przyklenk K. Stunned myocardium and myocardial collagen damage: differential effects of single and repeated occlusions. 1991;121:434-41
Widerhorn J (see Sager et al.). 1991;121:1671-8
Wiener I (see Hwang et al.). 1991;121:938-9 (Brief comm.)
Wikman-Coffelt J (see Holt et al.). 1991;121:531-7
Wiles HB (see Hayes et al.). 1991;121:929-31 (Brief comm.)
Wilkin JH (see Pearl and Wilkin). 1991;121:1839 (Letter)
Wilkins GT (see Picard et al.). 1991;121:753-62
Willerson JT (see Bush et al.). 1991;121:1591-9
Williams GH (see McCall et al.). 1991;121:1382-8
Wilson AD (see Rao et al.). 1991;121:1799-1802 (Prog. cardiol.)
Wilson G (see Akagi et al.). 1991;121:1502-6
Wilson JS, Podrid PJ. Side effects from amiodarone. 1991;121:158-71 (Curriculum cardiol.)
Wilson PWF, Cupples LA, Kannel WB. Is hyperglycemia associated with cardiovascular disease? The Framingham Study. 1991;121:586-90 (Prog. cardiol.)
— (see Anderson et al.). 1991;121:293-8 (Symposium)
— (see Kannel et al.). 1991;121:1268-73 (Symposium)
Wisenbaugh T (see Smith et al.). 1991;121:480-8
Wolfe CL (see Auffermann et al.). 1991;121:1750-8
— (see Zhu et al.). 1991;121:33-43
Wolff R (see Bonan et al.). 1991;121:1522-30 (Prog. cardiol.)
Wong C-K (see Lau et al.). 1991;121:595-7 (Brief comm.)
Wood R, Commerford PJ, Rose AG, Tookey A. Reversible catecholamine-induced cardiomyopathy. 1991;121:610-3 (Brief comm.)
Wortham DC (see Gaither et al.). 1991;121:203-5 (Brief comm.)
Wrisley DC, Giambartolomei A, Lee I, Brownlee W. Left atrial ball thrombus: review of clinical and echocardiographic manifestations with suggestions for management. 1991;121:1784-90 (Curriculum cardiol.)
— (see Rosenberg J, Giambartolomei A, Levy I, Turiello C, Antonini T. Left ventricular myxoma discovered incidentally by echocardiography. 1991;121:1554-5 (Brief comm.)
Wu D (see Chen et al.). 1991;121:217-9 (Brief comm.)
Wu ST (see Holt et al.). 1991;121:531-7
Wynder EL (see Muscat et al.). 1991;121:141-7
Wynsner JC, Kenny D, Brooks HL, Warltier DC. Regional myocardial function after repetitive brief episodes of ischemia: effect of altering the duration of the reperfusion period. 1991;121:1331-8
— (see Kenny et al.). 1991;121:1339-47
- Y**
Yagi S (see Fukiyama et al.). 1991;121:317-22 (Symposium)
Yamada A (see Hayano et al.). 1991;121:1070-9
Yamada K (see Fukiyama et al.). 1991;121:317-22 (Symposium)
Yamada M (see Hayano et al.). 1991;121:1070-9
Yamada Y, Furui H, Furumichi T, Yamuchi K, Yokota M, Saito H. Possible mechanism of vascular reocclusion after initially successful thrombolysis with recombinant tissue-type plasminogen activator. 1991;121:1618-27
Yamagishi M (see Nakatani et al.). 1991;121:770-5
Yamashita T, Inoue H, Usui M, Kuo T, Saito S, Nozaki A, Momura S, Serizawa T, Iizuka M, Sugimoto T. Acute effect of percutaneous transluminal mitral commissurotomy on QT interval: possible role of afterload in contraction-excitation feedback. 1991;121:1634-9
Yamauchi K (see Yamada et al.). 1991;121:1618-27
Yamashita M (see Igarashi et al.). 1991;121:1094-1100
Yan C-H (see Yeoh et al.). 1991;121:1551-2 (Brief comm.)
Yasui S (see Takeishi et al.). 1991;121:466-75
Yates DB. Pharmacology of flosequinan. 1991;121:974-83 (Symposium)
Yeh S-J (see Chen et al.). 1991;121:217-9 (Brief comm.)
Yeoh J-K, Yan C-H, Soo C-S, Lim Y-T, Choo H-H. Mitral stenosis and free-floating left atrial thrombus: demonstration of the "hole-in-one" effect by color Doppler echocardiography. 1991;121:1551-2 (Brief comm.)
Yokoi H (see Nakamura et al.). 1991;121:1170-7
Yokota M, Miyahara T. Postexercise systolic blood pressure in coronary artery disease. 1991;121:1848 (Letter reply)
— (see Yamada et al.). 1991;121:1618-27
Yoshinaga K (see Fukiyama et al.). 1991;121:317-22 (Symposium)
— (see Miura et al.). 1991;121:381-8 (Symposium)

Yost WJ (see Gaither et al). 1991;121:203-5 (Brief comm.)
Yotsukura M, Ishizuka T, Shimada T, Ishikawa K. Late potentials in progressive muscular dystrophy of the Duchenne type. 1991;121:1137-42
Young N (see Davidson et al). 1991;121:1549-50 (Brief comm.)
Yuasa F (see Sugiura et al). 1991;121:1409-12

Z

Zamani K (see Fournier et al). 1991;121:593-5 (Brief comm.)
Zehender M (see Hohnloser et al). 1991;121:89-95
Zerbe TR (see Follansbee et al). 1991;121:548-56
Zhang T-J (see Kannel et al). 1991;121:1268-73 (Symposium)

Zhu YY, Chung WS, Botvinick EH, Dae MW, Lim AD, Ports TA, Danforth JW, Wolfe CL, Goldschlager N, Chatterjee K. Dipryridamole perfusion scintigraphy: the experience with its application in one hundred seventy patients with known or suspected unstable angina. 1991;121:33-43
Zimmerman J (see Ferrick et al). 1991;121:206-7 (Brief comm.)
Zimmermann M, Adamec R, Simonin P, Richez J. Beat-to-beat detection of ventricular late potentials with high-resolution electrocardiography. 1991;121:576-85 (Prog. cardiol.)
Zlotkamiens B (see Mager et al). 1991;121:1543-4 (Brief comm.)
Zondervan PE (see van Suylen et al). 1991;121:914-6 (Brief comm.)
Zucker HD (see Schleifer et al). 1991;121:1397-1402

Subject index

- A**
- Abdominal aorta aneurysm; see Aortic aneurysm**
- Acetabulol**
Chronic use of acetabulol in the treatment of cardiac arrhythmias (O'Reilly). 1991;121:1185-93 (Curriculum cardiol.)
- Acenocoumarol**
The importance of adequate anticoagulation to prevent early thrombosis after stenting of stenosed venous bypass grafts (Bux et al.). 1991;121:1389-96
- Acquired immunodeficiency syndrome**
Congenital acquired immunodeficiency syndrome presenting as cor pulmonale in a 10-year-old girl (Hays et al.). 1991;121:929-31 (Brief comm.)
- Adenosine**
Adenosine for SVT (Letac) (Letter); (Viskin and Belhassen) (Reply). 1991;121:1845-7
Use of adenosine during hypotension in the Wolff-Parkinson-White syndrome with supraventricular tachycardia (Jobe and Gallagher). 1991;121:1239-40 (Brief comm.)
Use of adenosine in postoperative junctional ectopic tachycardia with 1:1 retrograde atrial conduction (Rossi et al.). 1991;121:1237-9 (Brief comm.)
The utility of adenosine to terminate supraventricular tachycardia in a premature hydropic infant (Fletcher et al.). 1991;121:1818-9 (Brief comm.)
- Adenosine cyclic monophosphate**
Cardiovascular effects of milrinone (Colucci). 1991;121:1945-7 (Symposium)
- Adenosine diphosphate**
The effect of enteric-coated aspirin on the morning increase in platelet activity (McCall et al.). 1991;121:1382-8
- Adolescence**
Prosthetic valves in children and adolescents (Solyman et al.). 1991;121:557-68 (Curriculum cardiol.)
- Adrenergic alpha receptor blockers**
Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al.). 1991;121:1302-6 (Symposium)
- Adrenergic beta receptor agonists**
Hemodynamic effects of calcium channel and β -receptor antagonists: evaluation by Doppler echocardiography (Harrison et al.). 1991;121:126-33
- Adrenergic beta receptor blockers**
The addition of doxazosin to the treatment regimen of patients with hypertension not adequately controlled by β -blockers (Englert and Barlage). 1991;121:311-6 (Symposium)
Ambulatory blood pressure monitoring in the evaluation of drug efficacy (O'Brien et al.). 1991;121:999-1006 (Symposium)
Angina, ischemia, and effort tolerance with vasodilating β -blockers (Dargie et al.). 1991;121:1017-20 (Symposium)
Attenuation of myocardial ischemia during coronary occlusion by ultrashort-acting beta adrenergic blockade (Labovitz et al.). 1991;121:1347-52
Blood magnesium and potassium alterations with maximal treadmill exercise testing: effects of β -adrenergic blockade (Fletcher et al.). 1991;121:105-110
Cardiovascular risk factors and the effects of intervention (Sleight). 1991;121:990-5 (Symposium)
Chronic use of acetabulol in the treatment of cardiac arrhythmias (O'Reilly). 1991;121:1185-93 (Curriculum cardiol.)
Class III antiarrhythmic action of *d*-sotalol during hypothermia (Björnstad et al.). 1991;121:1429-36
Clinical pharmacology of vasodilatory β -blocking drugs (Shanks). 1991;121:1006-11 (Symposium)
Digitalis and β -blocking agents: effects on depression following myocardial infarction (Schleifer et al.). 1991;121:1397-1402
A double-blind comparative study of doxazosin and prazosin when administered with β -blockers or diuretics (de Planque). 1991;121:304-11 (Symposium)
- *January, Part 1, pp. 1-244; January, Part 2, pp. 245-406; February, Part 1, pp. 407-656; February, Part 2, pp. 657-730; March, Part 1, pp. 731-988; March, Part 2, pp. 989-1032; April, Part 1, pp. 1033-1266; April, Part 2, pp. 1267-1318; May, pp. 1319-1590; June, Part 1, pp. 1591-1936; June, Part 2, pp. 1937-2000.
- Adrenergic beta receptor blockers—Cont'd**
The effects of cardioselective vasodilating β -blockers on lipids (Hunninghake). 1991;121:1029-32 (Symposium)
Efficacy of celiprolol in the elderly hypertensive patient (Taylor). 1991;121:1020-9 (Symposium)
Hypertension with concomitant conditions: the changing role of β -adrenoceptor blockade (Weber). 1991;121:716-23 (Symposium)
Preclinical pharmacology of celiprolol: a cardioselective β -adrenergic antagonist and mild vasodilator (Perrone and Barrett). 1991;121:677-83 (Symposium)
Reversal of cardiac and vascular hypertrophy by antihypertensive therapy (Hansson). 1991;121:995-8 (Symposium)
Risk factor modulation with new generation vasodilating β -blockers: official satellite to the 13th Scientific Meeting of the International Society of Hypertension—introduction (Mancia and de Champlain). 1991;121:989-90 (Symposium)
States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)
Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II (McLenahan et al.). 1991;121:691-6 (Symposium)
Ultra short-acting intravenous β -adrenergic blockade as add-on therapy in acute unstable angina (Barth et al.). 1991;121:782-8
Vasodilatory β -blockers: systemic and regional hemodynamic effects (Frolich). 1991;121:1012-7 (Symposium)
- Adrenergic fibers**
Measuring acute changes in adrenergic nerve activity of the heart in the living animal (Sisson et al.). 1991;121:1119-23
- Adrenergic nerves; see Adrenergic fibers**
- Adrenoceptors; see Receptors, adrenergic**
- Aged**
Age-dependent increase in deleted mitochondrial DNA in the human heart: possible contributory factor to presbycardia (Hattori et al.). 1991;121:1735-42
Efficacy of celiprolol in the elderly hypertensive patient (Taylor). 1991;121:1020-9 (Symposium)
- Aging**
Effects of aging on left ventricular structure and function (Pearson et al.). 1991;121:871-5
- ACID; see Electric countershock**
- AIDS; see Acquired immunodeficiency syndrome**
- Alcohol drinking**
Bashing booze: the danger of losing the benefits of moderate alcohol consumption (Kaplan). 1991;121:1854-6 (Editorial)
- Algorithms**
Determinants of pulse wave velocities with computerized algorithms (Chiu et al.). 1991;121:1460-70
- Allopurinol**
A randomized controlled trial of allopurinol in coronary bypass surgery (Johnson et al.). 1991;121:20-4
- Amiodarone**
Comparison of the results of electrophysiologic testing after short-term and long-term treatment with amiodarone in patients with ventricular tachycardia (Rosenheck et al.). 1991;121:1693-8
Electrocardiographic and antiarrhythmic effects of intravenous amiodarone: results of a prospective, placebo-controlled study (Hohnloser et al.). 1991;121:89-95
Side effects from amiodarone (Wilson and Podrid). 1991;121:158-71 (Curriculum cardiol.)
- Amyl nitrite**
Dynamic changes in left ventricular outflow tract flow velocities after amyl nitrite inhalation in hypertrophic cardiomyopathy (Hadjimiliades et al.). 1991;121:1143-8
- Aneurysm**
Late complications involving the ascending aorta after cardiac surgery: recognition and management (Sabri et al.). 1991;121:1779-83 (Curriculum cardiol.)
- Aneurysm, dissecting**
Aortic dissection with the entrance tear in abdominal aorta (Roberts and Roberts). 1991;121:1834-5 (Brief comm.)

Aneurysm, dissecting—Cont'd

Ruptured aortic dissection into the left atrium: a rare cause of congestive heart failure (Oliveira et al). 1991;121:936-8 (Brief comm.)

Vagolytic therapy in acute cardiac tamponade associated with aortic dissection (Marcus et al). 1991;121:926-9 (Brief comm.)

Aneurysm, infected

Late thrombosis of a coronary artery mycotic aneurysm (Davidson et al). 1991;121:1549-50 (Brief comm.)

Angina, unstable

Dipyridamole perfusion scintigraphy: the experience with its application in one hundred seventy patients with known or suspected unstable angina (Zhu et al). 1991;121:33-43

Improvement of systolic and diastolic left ventricular wall motion by serial echocardiograms in selected patients treated for unstable angina (de Zwaan et al). 1991;121:789-97

Myocardial metabolic and hemodynamic effects of a sustained intravenous infusion of nifedipine with and without metoprolol in patients with unstable angina (Melandri et al). 1991;121:44-51

Ultra short-acting intravenous β -adrenergic blockade as add-on therapy in acute unstable angina (Barth et al). 1991;121:782-8

Angina pectoris

Angina, ischemia, and effort tolerance with vasodilating β -blockers (Dargie et al). 1991;121:1017-20 (Symposium)

Exercise-induced myocardial dysfunction in patients with coronary artery disease with and without angina (Vassiliadis et al). 1991;121:1403-8

Nitrate tolerance in angina pectoris: effect of transdermal nitroglycerin with a four-hour nitrate-free interval (Webster et al). 1991;121:1229-31 (Brief comm.)

The perception of angina in diabetes: relation to somatic pain threshold and autonomic function (Umachandran et al). 1991;121:1649-54

A review of the clinical experience with celiprolol in angina (McLenahan). 1991;121:688-90 (Symposium)

Angina pectoris, variant

Effect of direct intracoronary administration of methylergonovine in patients with and without variant angina (Igarashi et al). 1991;121:1094-1100

Angiography

Angiographic contrast media interference with laser-induced fluorescence excitation and detection in atherosclerotic human coronary arteries (Lucas et al). 1991;121:110-8

Balloon occlusion of the ascending aorta for angiographic visualization of the coronary arteries in neonates with transposition of the great arteries (Vairo et al). 1991;121:917-9 (Brief comm.)

Complete left main coronary artery occlusion: angiographic evaluation of collateral vessel patterns and assessment of hemodynamic correlates (Topaz et al). 1991;121:450-6

Coronary angiographic patterns in hypertensive compared with normotensive patients (De Cesare et al). 1991;121:1101-6

Detection of angiographically silent coronary atherosclerosis by intracoronary ultrasonography (Sheikh et al). 1991;121:1803-7 (Brief comm.)

Quantification of rate of coronary artery disease progression by a new method of angiographic analysis (Moreno et al). 1991;121:1062-70

Risk stratification in survivors of acute myocardial infarction: routine cardiac catheterization and angiography is a reasonable approach in most patients (Kulick and Rahimtoola). 1991;121:641-56 (Editorial)

Selective coronary arteriography via translumbar catheterization (Argenal and Baker). 1991;121:198-9 (Brief comm.)

Angioplasty, coronary; see Angioplasty, transluminal, percutaneous coronary**Angioplasty, laser**

Early experience with the smart laser in the treatment of atherosclerotic occlusions (Veith et al). 1991;121:1531-8 (Prog. cardiol.)

Angioplasty, transluminal, percutaneous coronary

Acute complications of percutaneous transluminal coronary angioplasty for total occlusion (Plante et al). 1991;121:417-26

Attenuation of myocardial ischemia during coronary occlusion by ultra-short-acting beta adrenergic blockade (Labovitz et al). 1991;121:1347-52

Clinical efficacy of PTCA and identification of restenosis: evaluation by serial body surface potential mapping (Cahyadi et al). 1991;121:1080-7

Angioplasty, transluminal, percutaneous coronary

—Cont'd

Continuous on-line monitoring of left ventricular function with a new nonimaging detector: validation and clinical use in the evaluation of patients post angioplasty (Breisblatt et al). 1991;121:1609-17

Contrast echocardiographic diagnosis of PTCA-induced coronary artery-left ventricle fistula (Grill et al). 1991;121:194-8 (Brief comm.)

Coronary angioplasty of diffuse coronary artery disease (Goudreau et al). 1991;121:12-9

Coronary artery stenting after angioplasty with self-expanding parallel wire metallic stents (Bonan et al). 1991;121:1522-30 (Prog. cardiol.)

Delayed rupture of right coronary artery after directional atherectomy for bail-out (van Suylen et al). 1991;121:914-6 (Brief comm.)

Early experience with the smart laser in the treatment of atherosclerotic occlusions (Veith et al). 1991;121:1531-8 (Prog. cardiol.)

Impedance measurement of absolute blood flow using an angioplasty catheter: a validation study (Martin et al). 1991;121:745-52

Prevention of restenosis by lovastatin after successful coronary angioplasty (Sahni et al). 1991;121:1600-8

PTCA in acute myocardial infarction (Cheng) (Letter); (Vacek et al) (Reply). 1991;121:1847

PTCA-induced coronary-left ventricular fistula (Cheng) (Letter); (Iannone and Iannone) (Reply). 1991;121:1848-9

Rapid regression of coronary dilatation in Kawasaki disease with intravenous γ -globulin (Saalouke et al). 1991;121:905-9 (Brief comm.)

A rare complication of percutaneous transluminal coronary angioplasty—left main disease (Vardhan et al). 1991;121:902-5 (Brief comm.)

Relation between flow grade after thrombolytic therapy and the effect of angioplasty on left ventricular function: a prospective randomized trial (Belenkie et al). 1991;121:407-16

Safety and efficacy of urokinase during elective coronary angioplasty (Pavlides et al). 1991;121:731-7

Twelve-lead electrocardiographic evaluation of ischemia during percutaneous transluminal coronary angioplasty and its correlation with acute reocclusion (Bush et al). 1991;121:1591-9

Ultra short-acting intravenous β -adrenergic blockade as add-on therapy in acute unstable angina (Barth et al). 1991;121:782-8

The use of intraaortic balloon pumping as an adjunct to reperfusion therapy in acute myocardial infarction (Ohman et al). 1991;121:895-901 (Prog. cardiol.)

Angioscopy; see Microscopy**Angiotensin-converting enzyme inhibitors**

Angiotensin converting enzyme inhibitors improve contractile function of stunned myocardium by different mechanisms of action (Przyklenk and Kloner). 1991;121:1319-30

Left ventricular remodeling after acute myocardial infarction: clinical course and beneficial effects of angiotensin-converting enzyme inhibition (Lamas and Pfeffer). 1991;121:1194-1202 (Prog. cardiol.)

Aniline compounds

Histologic abnormalities of large and small coronary arteries, neural structures, and the conduction system of the heart found in postmortem studies of individuals dying from the toxic oil syndrome (James et al). 1991;121:803-15

Anti-arrhythmia agents

Antiarrhythmic actions of tocainide in canine models of previous myocardial infarction (Wallace et al). 1991;121:1413-21

Class III antiarrhythmic action of d-sotalol during hypothermia (Björnstad et al). 1991;121:1429-36

Effect of hyperkalemia on experimental myocardial depression by verapamil (Jolly et al). 1991;121:517-23

The effect of quinidine and mexiletine on the adaptation of ventricular refractoriness to an increase in rate (Rosenheck et al). 1991;121:512-7

Electrocardiographic and antiarrhythmic effects of intravenous amiodarone: results of a prospective, placebo-controlled study (Hohnloser et al). 1991;121:89-95

Long-term follow-up after sustained monomorphic ventricular tachycardia: causes, pump failure, and empiric antiarrhythmic therapy that modify survival (Leclercq et al). 1991;121:1685-92

Short-term variability of ventricular arrhythmia and rapid assessment of drug efficacy (Raeder et al). 1991;121:508-11

Anti-arrhythmia agents—Cont'd

- Sideeffects from amiodarone (Wilson and Podrid). 1991;121:158-71 (Curriculum cardioli.)
Suppressive effect of SUN1165 on supraventricular tachycardia (Terazawa et al.). 1991;121:1437-44
Use of disopyramide by arrhythmia specialists after Cardiac Arrhythmia Suppression Trial: patient selection and initial outcome (Prystowsky et al.). 1991;121:1571-82 (Special report)

Anticoagulants

- The importance of adequate anticoagulation to prevent early thrombosis after stenting of stenosed venous bypass grafts (Bux et al.). 1991;121:1389-96

Antihypertensive agents; see also Hypertension, drug therapy

- Clinical perspective on celiprolol: cardioprotective potential (Frishman). 1991;121:724-9 (Symposium)
Clinical safety and efficacy of celiprolol (Lamon). 1991;121:683-7 (Symposium)

Do we need another antihypertensive agent? (Gorlin). 1991;121:670-6 (Symposium)

Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins (Hunninghake). 1991;121:696-701 (Symposium)

Metabolic considerations in the choice of therapy for the patient with hypertension (Black). 1991;121:707-15 (Symposium)

Preclinical pharmacology of celiprolol: a cardioselective β -adrenergic antagonist and mild vasodilator (Perrone and Barrett). 1991;121:677-83 (Symposium)

A review of the clinical experience with celiprolol in angina (McLenahan). 1991;121:688-90 (Symposium)

Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II (McLenahan et al.). 1991;121:691-6 (Symposium)

Antithrombotic agents

Late streptokinase infusion and antithrombotic treatment in myocardial infarction reduce subsequent myocardial ischemia (Grip and Ryden). 1991;121:737-45

Aortic aneurysm

Aortic dissection with the entrance tear in abdominal aorta (Roberts and Roberts). 1991;121:1834-5 (Brief comm.)

Late complications involving the ascending aorta after cardiac surgery: recognition and management (Sabri et al.). 1991;121:1779-83 (Curriculum cardioli.)

Vagolytic therapy in acute cardiac tamponade associated with aortic dissection (Marcus et al.). 1991;121:926-9 (Brief comm.)

Aortic rupture

Ruptured aortic dissection into the left atrium: a rare cause of congestive heart failure (Oliveira et al.). 1991;121:936-8 (Brief comm.)

Aortic valve

Aortic and mitral valve perforation: diagnosis by transesophageal echocardiography and Doppler color flow imaging (Balal et al.). 1991;121:214-7 (Brief comm.)

Massive calcification of a porcine bioprosthesis in the aortic valve position and the role of calcium supplements (Klues et al.). 1991;121:1829-31 (Brief comm.)

Transesophageal echocardiographic features of normal and dysfunctional bioprosthetic valves (Alam et al.). 1991;121:1149-55

Aortic valve stenosis

Collateral circulation in Kawasaki disease with coronary occlusion or severe stenosis (Tatara et al.). 1991;121:797-802

Exertional syncope in aortic stenosis: evidence to support inappropriate left ventricular baroreceptor response (Grech and Ramsdale). 1991;121:603-6 (Brief comm.)

The importance of adequate anticoagulation to prevent early thrombosis after stenting of stenosed venous bypass grafts (Bux et al.). 1991;121:1389-96

The origin and fate of complex coronary lesions (Haft and Al-Zarka). 1991;121:1050-61

Aortocoronary bypass; see Coronary artery bypass

Arginine vasopressin; see Argipressin

Excessive secretion of vasopressin during vasovagal reaction (Rieger and Wagner). 1991;121:602-3 (Brief comm.)

Arrhythmia

Chronic use of acebutolol in the treatment of cardiac arrhythmias (O'Reilly). 1991;121:1185-93 (Curriculum cardioli.)

Arrhythmia—Cont'd

Diagnostic value of ventricular stimulation in patients with idiopathic dilated cardiomyopathy (Bremilla-Ferrot et al.). 1991;121:1124-31

Mitral valvuloplasty for life-threatening ventricular arrhythmias in mitral valve prolapse (Pocock et al.). 1991;121:199-202 (Brief comm.)

Propafenone for malignant ventricular arrhythmia: an analysis of the literature (Hernandez et al.). 1991;121:1178-84 (Curriculum cardioli.)

Short-term variability of ventricular arrhythmia and rapid assessment of drug efficacy (Raeder et al.). 1991;121:508-11

Syncope of unknown origin: clinical, noninvasive, and electrophysiologic determinants of arrhythmia induction and symptom recurrence during long-term follow-up (Moazez et al.). 1991;121:81-8

Arterial occlusive diseases

Collateral circulation in Kawasaki disease with coronary occlusion or severe stenosis (Tatara et al.). 1991;121:797-802

Coronary sinus occlusion: effect on ischemic left ventricular dysfunction and reactive hyperemia (Jacobs et al.). 1991;121:442-9

Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia (Picard et al.). 1991;121:753-62

Arteriovenous fistula

Case of steel versus steal: coil embolization of congenital coronary arteriovenous fistula (Moskowitz et al.). 1991;121:909-11 (Brief comm.)

Contrast echocardiographic diagnosis of PTCA-induced coronary artery-left ventricle fistula (Grill et al.). 1991;121:194-8 (Brief comm.)

Diagnosis of postlaminectomy arteriovenous fistula using color Doppler flow mapping (Chen et al.). 1991;121:217-9 (Brief comm.)

Ascending aorta aneurysm; see Aortic aneurysm

Aspirin

The effect of enteric-coated aspirin on the morning increase in platelet activity (McCall et al.). 1991;121:1382-8

Atenolol

Doxazosin and atenolol as monotherapy in mild and moderate hypertension: a randomized, parallel study with a three-year follow-up (Talseth et al.). 1991;121:280-5 (Symposium)

Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II (McLenahan et al.). 1991;121:691-6 (Symposium)

Atherosclerosis

Angiographic contrast media interference with laser-induced fluorescence excitation and detection in atherosclerotic human coronary arteries (Lucas et al.). 1991;121:110-8

Composition of atherosclerotic plaques in the coronary arteries in homozygous familial hypercholesterolemia (Kragel and Roberts). 1991;121:210-1 (Brief comm.)

Delayed rupture of right coronary artery after directional atherectomy for bail-out (van Suylen et al.). 1991;121:914-6 (Brief comm.)

Detection of angiographically silent coronary atherosclerosis by intracoronary ultrasonography (Sheikh et al.). 1991;121:1803-7 (Brief comm.)

Early experience with the smart laser in the treatment of atherosclerotic occlusions (Veith et al.). 1991;121:1531-8 (Prog. cardioli.)

The origin and fate of complex coronary lesions (Haft and Al-Zarka). 1991;121:1050-61

Progression of coronary stenosis (Beranek) (Letter); (Nagatomo et al.) (Reply). 1991;121:1841-3

Severity of coronary atherosclerosis correlates with the respiratory component of heart rate variability (Hayano et al.). 1991;121:1070-9

Atrial appendage thrombus; see Atrial function, left

Atrial fibrillation

Factors associated with atrial fibrillation in Q wave anterior myocardial infarction (Sugiura et al.). 1991;121:1409-12

Fragmented atrial activity in patients with transient atrial fibrillation (Niwayo and Aizawa). 1991;121:62-7

Identification of the rate-dependent functional refractory period of the atrioventricular node in simulated atrial fibrillation (Chishaki et al.). 1991;121:820-6

Atrial fibrillation—Cont'd

Incidence and clinical significance of ST segment elevation after electrical cardioversion of atrial fibrillation and atrial flutter (Van Gelder et al). 1991;121:51-6

Atrial flutter

Incidence and clinical significance of ST segment elevation after electrical cardioversion of atrial fibrillation and atrial flutter (Van Gelder et al). 1991;121:51-6

Paroxysmal AV block with ventricular standstill precipitated by atrial flutter during acute myocardial infarction (Cintolo et al). 1991;121:597-9 (Brief comm.)

Study on the genesis of the double potential recorded in the high right atrium in atrial flutter and its role in the reentry circuit of atrial flutter (Tanoiri et al). 1991;121:57-61

Atrial function

Electrocardiographic signs of atrial overload in hypertensive patients: Indexes of abnormality of atrial morphology or function? (Genovesi-Ebert et al). 1991;121:1113-8

Atrial function, left

Left atrial volume determination by biplane two-dimensional echocardiography: validation by cine computed tomography (Kircher et al). 1991;121:864-71

Noninvasive estimation of left atrial pressure in patients with congestive heart failure and mitral regurgitation by Doppler echocardiography (Gorcsan et al). 1991;121:858-63

Resolution of left atrial appendage thrombus in mitral stenosis after warfarin therapy (Tsai et al). 1991;121:1232-4 (Brief comm.)

Atrial morphology; see Atrial function**Atrial natriuretic factor; see Natriuretic peptides, atrial****Atrial overload; see Atrial function****Atrial septal defect; see Heart septal defects, atrial****Atrioventricular block; see Heart block****Atrioventricular nodal reentrant tachycardia; see Tachycardia, atrioventricular nodal reentry****Atrioventricular node**

Identification of the rate-dependent functional refractory period of the atrioventricular node in simulated atrial fibrillation (Chishaki et al). 1991;121:820-6

Intermittent left bundle branch block mimicked by early right ventricular activation through a nodofascicular pathway (Franco et al). 1991;121:1813-5 (Brief comm.)

Study of P wave morphology in lead V_A during supraventricular tachycardia for localizing the reentrant circuit (Brembilala-Perrot). 1991;121:1714-20

Ventriculoatrial intervals during narrow complex reentrant tachycardia in children (Schaffer and Gillette). 1991;121:1699-1702

Atrioventricular valve; see Tricuspid valve**Automatic implantable cardioverter defibrillator; see Electric countershock****Autonomic nervous system**

The perception of angina in diabetes: relation to somatic pain threshold and autonomic function (Umachandran et al). 1991;121:1649-54

AV block; see Heart block**B****Ball thrombus; see Thrombosis****Balloon catheter; see Balloon dilatation****Balloon dilatation**

Acute effect of percutaneous transluminal mitral commissurotomy on QT interval: possible role of afterload in contraction-excitation feedback (Yamashita et al). 1991;121:1634-9

Acute reduction of mitral valve area after percutaneous balloon mitral valvuloplasty: assessment with Doppler continuity equation method (Nakatani et al). 1991;121:770-5

Balloon occlusion of the ascending aorta for angiographic visualization of the coronary arteries in neonates with transposition of the great arteries (Vairo et al). 1991;121:917-9 (Brief comm.)

Balloon pulmonary valvuloplasty (Pearl and Wilkin) (Letter); (Rao and Thapar) (Reply). 1991;121:1839-40

Balloon tear during valvuloplasty (Loya and Sharma) (Letter); (Dev and Shrivastava) (Reply). 1991;121:1840-1

Balloon valvuloplasty in pulmonary valve atresia (Latson et al). 1991;121:1567-9 (Brief comm.)

Catheter closure of atrial septal defect: successful use in a 3.6 kg infant (Rao et al). 1991;121:1826-9 (Brief comm.)

Balloon dilatation—Cont'd

Impedance measurement of absolute blood flow using an angioplasty catheter: a validation study (Martin et al). 1991;121:745-52

Mitral valvuloplasty for life-threatening ventricular arrhythmias in mitral valve prolapse (Pocock et al). 1991;121:199-202 (Brief comm.)

Percutaneous balloon valvotomy for patients with mitral stenosis: initial and follow-up results (Casale et al). 1991;121:476-9

Successful balloon pulmonary valvuloplasty in a neonate with Ebstein's anomaly and critical pulmonic stenosis (Rheuban et al). 1991;121:1565-7 (Brief comm.)

Transcatheter closure of patent ductus arteriosus with buttoned device: first successful clinical application in a child (Rao et al). 1991;121:1799-1802 (Prog. cardiol.)

Transesophageal echocardiographic guidance for balloon catheter occlusion of patent foramen ovale complicating right ventricular infarction (Gudipati et al). 1991;121:919-22 (Brief comm.)

The use of intraaortic balloon pumping as an adjunct to reperfusion therapy in acute myocardial infarction (Ohman et al). 1991;121:895-901 (Prog. cardiol.)

Valve deformity and balloon mechanics in percutaneous transvenous mitral commissurotomy (Feldman and Carroll). 1991;121:1628-33

Balloon pulmonary valvuloplasty; see Balloon dilatation**Balloon tamponade; see Balloon dilatation****Balloon valvotomy; see Balloon dilatation****Balloon valvuloplasty; see Balloon dilatation****Baroreceptors; see Pressoreceptors****Beta-adrenergic antagonist; see Adrenergic beta receptor blockers****Beta-adrenergic blockade; see Adrenergic beta receptor blockers****Bioprostheses**

Bioprosthetic tricuspid valve stenosis associated with extensive plaque deposition in carcinoid heart disease (Ridker et al). 1991;121:1835-8 (Brief comm.)

Extreme obstruction to left ventricular outflow by a bioprosthetic in the mitral valve position (Roberts and Dollar). 1991;121:607-8 (Brief comm.)

Massive calcification of a porcine bioprosthetic in the aortic valve position and the role of calcium supplements (Klues et al). 1991;121:1829-31 (Brief comm.)

Transesophageal echocardiographic features of normal and dysfunctional bioprosthetic valves (Alam et al). 1991;121:1149-55

Bipyridine phosphodiesterase inhibitors; see Phosphodiesterase inhibitors**Birth; see Delivery****Blood chemical analysis**

Influence of endothelin on cardiovascular function, oxygen free radicals, and blood chemistry (Prasad et al). 1991;121:178-87 (Prog. cardiol.)

Blood flow, coronary; see Coronary circulation**Blood flow velocity**

Determination of pulse wave velocities with computerized algorithms (Chiu et al). 1991;121:1460-70

DYNAMIC changes in left ventricular outflow tract flow velocities after amyl nitrite inhalation in hypertrophic cardiomyopathy (Hadjimiltiades et al). 1991;121:1143-8

Blood pressure

Ambulatory blood pressure monitoring in the evaluation of drug efficacy (O'Brien et al). 1991;121:999-1006 (Symposium)

Cigarette smoking related to ambulatory blood pressure and heart rate (Green et al). 1991;121:1569-70 (Brief comm.)

Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al). 1991;121:1302-6 (Symposium)

Gender differences in the systolic blood pressure response to exercise (Gleim et al). 1991;121:524-30

Noninvasive estimation of left atrial pressure in patients with congestive heart failure and mitral regurgitation by Doppler echocardiography (Gorcsan et al). 1991;121:858-63

Postexercise systolic blood pressure in coronary artery disease (Romano) (Letter); (Yokota and Miyahara) (Reply). 1991;121:1847-8

Blood pressure, high; see Hypertension entries

Blood volume determination

Left atrial volume determination by biplane two-dimensional echocardiography: validation by cine computed tomography (Kircher et al). 1991;121:864-71

Body surface potential mapping; see Electrocardiography

Bradycardia; see Bradycardia

Severe bradycardias following calcium pretreatment (Kuhn). 1991;121:1812-3 (Brief comm.)

Sinus nodal dysfunction in young patients with long QT syndrome (Kugler). 1991;121:1132-6

Brief communications

Brief communications. 1991;121:188-219, 591-626, 902-41, 1221-43, 1539-70, 1803-38

Bundle-branch block

Intermittent left bundle branch block mimicked by early right ventricular activation through a nodofascicular pathway (Franco et al). 1991;121:1813-5 (Brief comm.)

Study of the influence of left bundle branch block on the signal-averaged electrocardiogram: a qualitative and quantitative analysis (Fontaine et al). 1991;121:494-508

Bundle of His

Pseudo AV block secondary to concealed premature His bundle depolarizations (Wang and Salerno). 1991;121:1236-7 (Brief comm.)

C

Calcification, physiologic

Massive calcification of a porcine bioprosthesis in the aortic valve position and the role of calcium supplements (Klues et al). 1991;121:1829-31 (Brief comm.)

Calcium

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle (Morgan et al). 1991;121:961-8 (Symposium)

Massive calcification of a porcine bioprosthesis in the aortic valve position and the role of calcium supplements (Klues et al). 1991;121:1829-31 (Brief comm.)

Severe bradycardias following calcium pretreatment (Kuhn). 1991;121:1812-3 (Brief comm.)

Calcium antagonists; see Calcium channel blockers

Calcium channel blockers

Acute hemodynamic effects of intravenous diperidipine, a new dihydropyridine derivative, in coronary heart disease (Di Donato et al). 1991;121:776-81

Effect of nisoldipine on hemodynamic responses to defibrillation (Kieso et al). 1991;121:834-9

Hemodynamic effects of calcium channel and β -receptor antagonists: evaluation by Doppler echocardiography (Harrison et al). 1991;121:126-33

cAMP; see Adenosine cyclic monophosphate

Carbamazepine

Electrophysiologic effects and clinical hazards of carbamazepine treatment for neurologic disorders in patients with abnormalities of the cardiac conduction system (Kennebäck et al). 1991;121:142-9

Carcinoid heart disease

Bioprosthetic tricuspid valve stenosis associated with extensive plaque deposition in carcinoid heart disease (Ridker et al). 1991;121:1835-8 (Brief comm.)

Cardiac arrest; see Heart arrest

Cardiac constriction; see Pericarditis, constrictive

Cardiac output, low

Effects of variable dose milrinone in patients with low cardiac output after cardiac surgery (Feneck). 1991;121:1995-9 (Symposium)

Cardiac pacing, artificial

Extraction of implanted transvenous pacing leads: a review of a persistent clinical problem (Myers et al). 1991;121:881-8 (Curriculum cardioli.)

Sensor-initiated termination of pacemaker-mediated tachycardia in a DDDR pacemaker (Lau et al). 1991;121:595-7 (Brief comm.)

Septal ventricular pacing in the immature canine heart: a new perspective (Karpawich et al). 1991;121:827-33

Cardiac surgery; see Heart surgery

Cardiac tamponade

Cardiac tamponade following treatment with tissue plasminogen activator: an atypical hemodynamic response to pericardiocentesis (Barrington et al). 1991;121:1227-9 (Brief comm.)

Cardiac tamponade—Cont'd

Dynamic left ventricular outflow tract obstruction induced by pericardial tamponade during acute anterior myocardial infarction (Deligonul et al). 1991;121:190-4 (Brief comm.)

Isolated collapse of left-sided heart chambers in cardiac tamponade: demonstration by two-dimensional echocardiography (Fusman et al). 1991;121:613-6 (Brief comm.)

Vagolytic therapy in acute cardiac tamponade associated with aortic dissection (Marcus et al). 1991;121:926-9 (Brief comm.)

Cardiac valves; see Heart valves

Cardiac volume

Mechanism for depressed cardiac function in left ventricular volume overload (Holt et al). 1991;121:531-7

Noninvasive determination of left ventricular output and wall stress in volume overload and in myocardial disease by cine magnetic resonance imaging (Auffermann et al). 1991;121:1750-8

Cardiomyopathy, congestive; see also Myocardial diseases

Diagnostic value of ventricular stimulation in patients with idiopathic dilated cardiomyopathy (Bremilla-Perron et al). 1991;121:1124-31

Dietary taurine deficiency and dilated cardiomyopathy in the fox (Moise et al). 1991;121:541-7

High output failure in patients with peripartum cardiomyopathy: a comparative study with dilated cardiomyopathy (Marino-Neto et al). 1991;121:134-40

Natural history of dilated cardiomyopathy in children (Akagi et al). 1991;121:1502-6

Time course of improvement in ventricular function after ablation of incessant automatic atrial tachycardia (Rabbani et al). 1991;121:816-9

Uncomplicated vaginal delivery 14 months after cardiac transplantation (Camana et al). 1991;121:939-41 (Brief comm.)

Cardiomyopathy, hypertrophic

Cessation of gastrointestinal bleeding from angiogenesis after surgery for idiopathic hypertrophic subaortic stenosis (Alam and Lewis). 1991;121:608-10 (Brief comm.)

Changes in left ventricular diastolic filling during the development of left ventricular hypertrophy: observations using Doppler echocardiography in a unique canine model (Buda et al). 1991;121:1759-67

Dynamic changes in left ventricular outflow tract flow velocities after amyl nitrite inhalation in hypertrophic cardiomyopathy (Hadjimiltiades et al). 1991;121:1143-8

Effects of subsequent pregnancy on left ventricular function in peripartum cardiomyopathy (St. John Sutton et al). 1991;121:1776-8

Histologic abnormalities of large and small coronary arteries, neural structures, and the conduction system of the heart found in postmortem studies of individuals dying from the toxic oil syndrome (James et al). 1991;121:803-15

Reversal of cardiac and vascular hypertrophy by antihypertensive therapy (Hansson). 1991;121:995-8 (Symposium)

Cardiotomy, percutaneous; see Heart surgery

Cardiotonic agents

Acute positive inotropic intervention: the catecholamines (Leider and Binkley). 1991;121:1866-70 (Symposium)

Acute positive inotropic intervention: the phosphodiesterase inhibitors (DiBianco). 1991;121:1871-5 (Symposium)

Cardiovascular effects of milrinone (Colucci). 1991;121:1945-7 (Symposium)

Flosequinan: a vasodilator with positive inotropic activity (Corrino et al). 1991;121:537-40

Intravenous milrinone: therapeutic responses in heart failure (Braunwald). 1991;121:1937-8 (Symposium)

Pharmacology of bipyridine phosphodiesterase III inhibitors (Honerkamp). 1991;121:1939-44 (Symposium)

Cardiovascular diseases

Cardiovascular disease risk profiles (Anderson et al). 1991;121:293-8 (Symposium)

Is hyperglycemia associated with cardiovascular disease? the Framingham Study (Wilson et al). 1991;121:586-90 (Prog. Cardiol.)

Cardiovascular risk factors; see Risk factors

Cardioversion; see Electric countershock

Cataract extraction

Thrombolytic therapy for acute myocardial infarction following recent cataract surgery (Glikson et al). 1991;121:1542-3 (Brief comm.)

Catecholamines

Acute positive inotropic intervention: the catecholamines (Leier and Binkley). 1991;121:1866-70 (Symposium)
Reversible catecholamine-induced cardiomyopathy (Wood et al.). 1991;121:610-3 (Brief comm.)

Catheter, balloon; see Balloon dilatation**Catheterization, cardiac; see Heart catheterization****Celiprolol**

Clinical perspective on celiprolol: cardioprotective potential (Frishman). 1991;121:724-9 (Symposium)
Clinical safety and efficacy of celiprolol (Lamon). 1991;121:683-7 (Symposium)
Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins (Hunninghake). 1991;121:696-701 (Symposium)
Efficacy of celiprolol in the elderly hypertensive patient (Taylor). 1991;121:1020-9 (Symposium)
Preclinical pharmacology of celiprolol: a cardioselective β -adrenergic antagonist and mild vasodilator (Perrone and Barrett). 1991;121:677-83 (Symposium)
A review of the clinical experience with celiprolol in angina (McLenahan). 1991;121:688-90 (Symposium)

Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II (McLenahan et al.). 1991;121:691-6 (Symposium)

Cephalosporins

Hypoprothrombinemia and cephalosporins (Ahmad) (Letter); (Riggs and Freij) (Reply). 1991;121:1843-4

Cerebrospinal fluid shunts

Ventriculoatrial shunts for hydrocephalus and cardiac valvulopathy: an echocardiographic evaluation (Vargas-Barron et al.). 1991;121:1498-1501

Cerebrovascular disorders

PFO or UFO? The role of a patent foramen ovale in cryptogenic stroke (Falk). 1991;121:1264-6 (Editorial)
Chagas disease; see Trypanosomiasis, South American
Cholesterol
Cigarette smoking and plasma cholesterol (Muscat et al.). 1991;121:141-7

Efficacy and safety of doxazosin in the treatment of patients with mild or moderate essential hypertension and elevated levels of cholesterol (Taylor). 1991;121:362-6 (Symposium)

Chordae tendineae

Superiority of transesophageal echocardiography in detecting ruptured mitral chordae tendineae (Alam and Sun). 1991;121:1819-21 (Brief comm.)

Cigarette smoking; see Smoking

Cine-computed tomography; see Tomography, x-ray computed

Cine magnetic resonance imaging; see Magnetic resonance imaging**Cineradiography**

Left atrial volume determination by biplane two-dimensional echocardiography: validation by cine computed tomography (Kircher et al.). 1991;121:864-71

Cocaine

Intravenous cocaine causes epicardial coronary vasoconstriction in the intact dog (Hayes et al.). 1991;121:1639-48

Collagen

Stunned myocardium and myocardial collagen damage: differential effects of single and repeated occlusions (Whittaker et al.). 1991;121:434-41

Collateral circulation

Collateral circulation in Kawasaki disease with coronary occlusion or severe stenosis (Tatara et al.). 1991;121:797-802

Complete left main coronary artery occlusion: angiographic evaluation of collateral vessel patterns and assessment of hemodynamic correlates (Topaz et al.). 1991;121:450-6

Coronary collateral recruitment: functional significance and relation to rate of vessel closure (Sabri et al.). 1991;121:876-80 (Curriculum cardioli.)

Dipyridamole-induced decrement of functional recovery of postischemic reperfused myocardium in conscious dogs with well-developed coronary collateral circulation (Kenny et al.). 1991;121:1339-47

Effect of nitroglycerin on coronary collateral function during exercise evaluated by quantitative analysis of thallium-201 single photon emission computed tomography (Aoki et al.). 1991;121:1361-6

Commissurotomy, percutaneous transthoracic mitral; see Balloon dilatation**Computed tomography; see Tomography, x-ray computed****Congenital heart defects; see Heart defects, congenital****Congestive cardiomyopathy; see Cardiomyopathy, congestive****Congestive heart failure; see Heart failure, congestive****Consensus development conferences**

Resolved and unresolved issues in the prevention and treatment of coronary artery disease: a workshop consensus statement (Dzau and Braunwald). 1991;121:1244-63 (Special report)

Consumption coagulopathy; see Disseminated intravascular coagulation**Continuous on-line monitoring; see Monitoring, physiologic****Contractility, myocardial; see Myocardial contraction****Contrast media**

Angiographic contrast media interference with laser-induced fluorescence excitation and detection in atherosclerotic human coronary arteries (Lucas et al.). 1991;121:110-8

The effects of high (sodium meglumine diatrizoate, Renografin-76) and low osmolar (sodium meglumine ioxaglate, Hexabrix) radiographic contrast media on diastolic function during left ventriculography in patients (Aguirre et al.). 1991;121:848-57

Cor pulmonale; see Pulmonary heart disease**Coronary aneurysm**

Giant coronary artery aneurysm: detection with echocardiography, computed tomography, and magnetic resonance imaging (Selke et al.). 1991;121:1544-7 (Brief comm.)

Late thrombosis of a coronary artery mycotic aneurysm (Davidson et al.). 1991;121:1549-50 (Brief comm.)

Coronary angioplasty; see Angioplasty, transluminal, percutaneous coronary**Coronary arteriosclerosis**

Angiographic contrast media interference with laser-induced fluorescence excitation and detection in atherosclerotic human coronary arteries (Lucas et al.). 1991;121:110-8

Composition of atherosclerotic plaques in the coronary arteries in homozygous familial hypercholesterolemia (Kragel and Roberts). 1991;121:210-1 (Brief comm.)

Delayed rupture of right coronary artery after directional atherectomy for bail-out (van Suylen et al.). 1991;121:914-6 (Brief comm.)

Detection of angiographically silent coronary atherosclerosis by intracoronary ultrasonography (Sheikh et al.). 1991;121:1803-7 (Brief comm.)

Early experience with the smart laser in the treatment of atherosclerotic occlusions (Veith et al.). 1991;121:1531-8 (Prog. cardiol.)

The origin and fate of complex coronary lesions (Haft and Al-Zarka). 1991;121:1050-61

Progression of coronary stenosis (Beranek) (Letter); (Nagatomo et al.) (Reply). 1991;121:1841-3

Severity of coronary atherosclerosis correlates with the respiratory component of heart rate variability (Hayano et al.). 1991;121:1070-9

Coronary artery bypass

The importance of adequate anticoagulation to prevent early thrombosis after stenting of stenosed venous bypass grafts (Bux et al.). 1991;121:1389-96

Prevention of restenosis by lovastatin after successful coronary angioplasty (Sahni et al.). 1991;121:1600-8

A randomized controlled trial of allopurinol in coronary bypass surgery (Johnson et al.). 1991;121:20-4

The role of transesophageal echocardiography in the diagnosis and management of patent foramen ovale following aortocoronary bypass graft surgery (Goldman et al.). 1991;121:1224-7 (Brief comm.)

Coronary artery disease; see Coronary disease**Coronary circulation**

Collateral circulation in Kawasaki disease with coronary occlusion or severe stenosis (Tatara et al.). 1991;121:797-802

Impedance measurement of absolute blood flow using an angioplasty catheter: a validation study (Martin et al.). 1991;121:745-52

Coronary disease, diagnosis; see also Coronary thrombosis

Clinical efficacy of PTCA and identification of restenosis: evaluation by serial body surface potential mapping (Cahyadi et al.). 1991;121:1080-7

Coronary disease, diagnosis—Cont'd

Dilatation of the left ventricular cavity on dipyridamole thallium-201 imaging: a new marker of triple-vessel disease (Takeishi et al). 1991;121:466-75

Magnetic resonance imaging: A new approach for evaluating coronary artery disease? (van der Wall et al). 1991;121:1203-20 (Prog. cardiol.)

Coronary disease, drug therapy

Acute hemodynamic effects of intravenous diperidipine, a new dihydropyridine derivative, in coronary heart disease (Di Donato et al). 1991;121:776-81

The use of intravenous milrinone in chronic symptomatic ischemic heart disease (Mitrovic). 1991;121:1983-94 (Symposium)

Coronary disease, epidemiology

Epidemiology of heart failure (Kannel and Belanger). 1991; 121:951-7 (Symposium)

Pulse rate, coronary heart disease, and death: the NHANES I Epidemiologic Follow-up Study (Gillum et al). 1991;121:172-7 (Prog. cardiol.)

Coronary disease, genetics

Risk factors for coronary artery disease: taking the family history (Singer). 1991;121:947-8 (Editorial)

Coronary disease, physiopathology

Diabetes mellitus and hypertension: a physiologic basis for a rational therapeutic approach (Nosadini et al). 1991;121:1289-93 (Symposium)

Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)

Doxazosin therapy in the treatment of diabetic hypertension (Fehér). 1991;121:1294-1301 (Symposium)

Duration of ST segment depression after exercise-induced myocardial ischemia is influenced by body position during recovery but not by type of exercise (Gavrielides et al). 1991;121:1665-70

Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al). 1991;121:1302-6 (Symposium)

The epidemiology of impaired glucose tolerance and hypertension (Kannel et al). 1991;121:1268-73 (Symposium)

Ergonovine-induced myocardial ischemia without epicardial coronary vasospasm: evidence for ischemia produced by small-vessel vasoconstriction (Seroto et al). 1991;121:1807-9 (Brief comm.)

Essential hypertension, metabolic disorders, and insulin resistance (Ferrannini and Natali). 1991;121:1274-82 (Symposium)

Exercise-induced myocardial dysfunction in patients with coronary artery disease with and without angina (Vassiliadis et al). 1991;121:1403-8

Hearts too good to die: ventricular fibrillation due to small infarctions or ischemia (Hwang et al). 1991;121:938-9 (Brief comm.)

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease (Reaven). 1991;121:1283-8 (Symposium)

Is hyperglycemia associated with cardiovascular disease? the Framingham Study (Wilson et al). 1991;121:586-90 (Prog. cardiol.)

Multivessel coronary artery disease: a key predictor of short-term prognosis after reperfusion therapy for acute myocardial infarction (Muller et al). 1991;121:1042-9

The origin and fate of complex coronary lesions (Haft and Al-Zarka). 1991;121:1050-61

Postexercise systolic blood pressure in coronary artery disease (Romano) (Letter); (Yokota and Miyahara) (Reply). 1991;121:1847-8

Quantification of rate of coronary artery disease progression by a new method of angiographic analysis (Moreno et al). 1991;121:1062-70

Relationship of left ventricular mass to impairment of coronary vasodilator reserve in hypertensive heart disease (Houghton et al). 1991;121:1107-12

Segmental wall motion abnormalities in the absence of clinically documented myocardial infarction: clinical significance and evidence of hibernating myocardium (Lewis et al). 1991; 121:1088-94

Severity of coronary atherosclerosis correlates with the respiratory component of heart rate variability (Hayano et al). 1991;121:1070-9

Coronary disease, physiopathology—Cont'd

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—group discussion (Ross et al). 1991;121:1312-5 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—summary (Ross and Kannel). 1991;121:1316-8 (Symposium)

Coronary disease, prevention and control

The addition of doxazosin to the treatment regimen of patients with hypertension not adequately controlled by β -blockers (Englert and Barlage). 1991;121:311-6 (Symposium)

Cardiovascular disease risk profiles (Anderson et al). 1991; 121:293-8 (Symposium)

Clinical experience with doxazosin in general medical practice in New Zealand (Maslowski). 1991;121:323-8 (Symposium)

Clinical experience with doxazosin in general medical practice in the Netherlands (Harmse). 1991;121:341-5 (Symposium)

Clinical perspective on celiprolol: cardioprotective potential (Frishman). 1991;121:724-9 (Symposium)

Clinical safety and efficacy of celiprolol (Lamon). 1991;121:683-7 (Symposium)

Do we need another antihypertensive agent? (Gorlin). 1991; 121:670-6 (Symposium)

A double-blind comparative study of doxazosin and prazosin in the treatment of essential hypertension (Fukiyama et al). 1991;121:317-22 (Symposium)

A double-blind comparative study of doxazosin and prazosin when administered with β -blockers or diuretics (de Planque). 1991;121:304-11 (Symposium)

Double-blind comparison of doxazosin and enalapril in patients with mild or moderate essential hypertension (Wessels). 1991;121:299-303 (Symposium)

Doxazosin: a study in a cohort of patients with hypertension in general practice—an interim report (Langdon). 1991;121:268-73 (Symposium)

Doxazosin and atenolol as monotherapy in mild and moderate hypertension: a randomized, parallel study with a three-year follow-up (Talsky et al). 1991;121:280-5 (Symposium)

Doxazosin for the treatment of chronic congestive heart failure: results of a randomized double-blind and placebo-controlled study (DiBianco et al). 1991;121:372-80 (Symposium)

Doxazosin in the treatment of essential hypertension in general medical practice in Latin America (Silva et al). 1991;121:329-35 (Symposium)

Doxazosin in the treatment of mild or moderate essential hypertension: an echocardiographic study (Corral et al). 1991;121:352-6

Early prevention and management of ischemic heart disease: focus on hypertension (Gorlin). 1991;121:657 (Symposium)

Early prevention and management of ischemic heart disease: focus on hypertension—the consensus. 1991;121:730 (Symposium)

Echocardiographic assessment of doxazosin on left ventricular mass in patients with essential hypertension (Monsalve et al). 1991;121:356-61 (Symposium)

The effect of doxazosin on platelet aggregation in normotensive subjects and patients with hypertension: an *in vitro* study (Hernandez et al). 1991;121:389-94 (Symposium)

Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins (Hunninghake). 1991;121:696-701 (Symposium)

Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism (Pool). 1991;121:251-60 (Symposium)

Efficacy and safety of doxazosin in the treatment of patients with mild or moderate essential hypertension and elevated levels of cholesterol (Taylor). 1991;121:362-6 (Symposium)

Efficacy of doxazosin in specific hypertensive patient groups (Taylor). 1991;121:286-92 (Symposium)

An evaluation of the efficacy and safety of doxazosin in hypertension associated with renal dysfunction (Miura et al). 1991;121:381-8 (Symposium)

Evidence of an antiplatelet aggregation action of doxazosin in patients with hypertension: an *ex vivo* study (Hernandez et al). 1991;121:395-401 (Symposium)

Coronary disease, prevention and control—Cont'd

- Hypertension and ischemic heart disease: the challenge of the 1990s (Gorlin). 1991;121:658-64 (Symposium)
- Hypertension with concomitant conditions: the changing role of β -adrenoceptor blockade (Weber). 1991;121:716-23 (Symposium)
- Improving compliance and increasing control of hypertension: needs of special hypertensive populations (Clark). 1991; 121:664-9 (Symposium)
- A long-term study of doxazosin in the treatment of mild or moderate essential hypertension in general medical practice (Manos). 1991;121:346-51 (Symposium)
- Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—introduction (Sever). 1991;121:245 (Symposium)
- Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—summary (Sever). 1991;121:406 (Symposium)
- Management of multiple risk factors for coronary heart disease in patients with hypertension (Poulter). 1991;121:246-50 (Symposium)
- Managing the whole patient with hypertension: practical applications in a clinical setting (Cohen). 1991;121:702-6 (Symposium)
- Metabolic considerations in the choice of therapy for the patient with hypertension (Black). 1991;121:707-15 (Symposium)
- A multicenter study of doxazosin in the treatment of essential hypertension in France (Bonnet). 1991;121:335-40 (Symposium)
- A multicenter study of doxazosin in the treatment of patients with mild or moderate essential hypertension and concomitant intermittent claudication (Catalano and Libretti). 1991;121:367-71 (Symposium)
- An open, noncomparative study of doxazosin in essential hypertension: experience in general practice in the Netherlands (Naber). 1991;121:273-9 (Symposium)
- Preliminary results of the Norwegian doxazosin postmarketing surveillance study: a twelve-week experience (Holme et al.). 1991;121:260-7 (Symposium)
- Resolved and unresolved issues in the prevention and treatment of coronary artery disease: a workshop consensus statement (Dzau and Braunwald). 1991;121:1244-63 (Special report)
- A review of the clinical experience with celiprolol in angina (McLenahan). 1991;121:688-90 (Symposium)
- Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II (McLenahan et al.). 1991;121:691-6 (Symposium)

Coronary disease, surgery

- Coronary angioplasty of diffuse coronary artery disease (Goudreau et al.). 1991;121:12-9
- Coronary artery stenting after angioplasty with self-expanding parallel wire metallic stents (Bonan et al.). 1991;121:1522-30 (Prog. cardiol.)
- A rare complication of percutaneous transluminal coronary angioplasty—left main disease (Vardhan et al.). 1991;121:902-5 (Brief comm.)
- Coronary heart disease; see Coronary disease entries**
- Coronary occlusion; see Coronary thrombosis**
- Coronary thrombosis; see also Coronary disease entries**
- Acute complications of percutaneous transluminal coronary angioplasty for total occlusion (Plante et al.). 1991;121:417-26
- Attenuation of myocardial ischemia during coronary occlusion by ultrashort-acting beta adrenergic blockade (Labovitz et al.). 1991;121:1347-52
- Clinical efficacy of PTCA and identification of restenosis: evaluation by serial body surface potential mapping (Cahyadi et al.). 1991;121:1080-7
- Complete left main coronary artery occlusion: angiographic evaluation of collateral vessel patterns and assessment of hemodynamic correlates (Topaz et al.). 1991;121:450-6
- Coronary sinus occlusion: effect on ischemic left ventricular dysfunction and reactive hyperemia (Jacobs et al.). 1991; 121:442-9
- Delayed rupture of right coronary artery after directional atherectomy for bail-out (van Suylen et al.). 1991;121:914-6 (Brief comm.)

Coronary thrombosis—Cont'd

- Early experience with the smart laser in the treatment of atherosclerotic occlusions (Veith et al.). 1991;121:1531-8 (Prog. cardiol.)
- Late thrombosis of a coronary artery mycotic aneurysm (Davidson et al.). 1991;121:1549-50 (Brief comm.)
- Milking dissection: an unusual complication of emergency coronary artery stenting for acute occlusion (Stauffer et al.). 1991;121:1539-42 (Brief comm.)
- Mitral stenosis and free-floating left atrial thrombus: demonstration of the "hole-in-one" effect by color Doppler echocardiography (Yeoh et al.). 1991;121:1551-2 (Brief comm.)
- Possible mechanism of vascular reocclusion after initially successful thrombolysis with recombinant tissue-type plasminogen activator (Yamada et al.). 1991;121:1618-27
- Twelve-lead electrocardiographic evaluation of ischemia during percutaneous transluminal coronary angioplasty and its correlation with acute reocclusion (Bush et al.). 1991;121: 1591-9

Coronary vasospasm

- Ergonovine-induced myocardial ischemia without epicardial coronary vasospasm: evidence for ischemia produced by small-vessel vasoconstriction (Serota et al.). 1991;121:1807-9 (Brief comm.)
- Exercise test in coronary spasm (Perez de Juan Romero and Dominguez) (Letter); (Castello) (Reply). 1991;121:1844-5
- Stunned myocardium following coronary spasm (Fournier et al.). 1991;121:593-5 (Brief comm.)

Coronary vessels

- Histologic abnormalities of large and small coronary arteries, neural structures, and the conduction system of the heart found in postmortem studies of individuals dying from the toxic oil syndrome (James et al.). 1991;121:803-15
- Intravenous cocaine causes epicardial coronary vasoconstriction in the intact dog (Hayes et al.). 1991;121:1639-48
- Multivessel coronary artery disease: a key predictor of short-term prognosis after reperfusion therapy for acute myocardial infarction (Muller et al.). 1991;121:1042-9

Creatine kinase

- Quantitative estimation of infarct size by simultaneous dual radionuclide single photon emission computed tomography: comparison with peak serum creatine kinase activity (Kawaguchi et al.). 1991;121:1353-60

Critical care

- Acute positive inotropic intervention: the catecholamines (Leier and Binkley). 1991;121:1866-70 (Symposium)
- Acute positive inotropic intervention: the phosphodiesterase inhibitors (DiBianco). 1991;121:1871-5 (Symposium)
- Advances in the concepts of intensive care (Vincent). 1991;121:1859-65 (Symposium)
- Combined intravenous pharmacotherapy in the treatment of patients with decompensated congestive heart failure (Uretsky and Hua). 1991;121:1879-86 (Symposium)
- Intensive cardiac care: newer pharmacology and techniques—foreword (Leier). 1991;121:1858 (Symposium)
- Mechanical assist devices in intensive cardiac care (Miller). 1991;121:1887-92 (Symposium)
- Vasodilators in the intensive care unit (Francis). 1991;121:1875-8 (Symposium)

Cryogenic stroke; see Cerebrovascular disorders**Curriculum in cardiology**

- Curriculum in cardiology. 1991;121:148-71, 557-75, 876-88, 1178-93, 1507-21, 1779-90

Cyclic adenosine monophosphate; see Adenosine cyclic monophosphate**D****DDD pacemaker; see Pacemaker, artificial****Death, sudden**

- Aborted sudden death in the chronic phase of Kawasaki disease (Madrid et al.). 1991;121:1547-9 (Brief comm.)
- Sports-related and non-sports-related sudden cardiac death in young adults (Burke et al.). 1991;121:568-75 (Curriculum cardiol.)

Defibrillation, electric; see Electric countershock**Delivery**

- Uncomplicated vaginal delivery 14 months after cardiac transplantation (Camann et al.). 1991;121:939-41 (Brief comm.)

Depression

Digitalis and β -blocking agents: effects on depression following myocardial infarction (Schleifer et al). 1991;121:1397-1402

Diabetes mellitus, insulin-dependent

Diabetes mellitus and hypertension: a physiologic basis for a rational therapeutic approach (Nosadini et al). 1991;121:1289-93 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—group discussion (Ross et al). 1991;121:1312-5 (Symposium)

Diabetes mellitus, non-insulin-dependent

Doxazosin therapy in the treatment of diabetic hypertension (Feher). 1991;121:1294-1301 (Symposium)

Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al). 1991;121:1302-6 (Symposium)

The epidemiology of impaired glucose tolerance and hypertension (Kannel et al). 1991;121:1268-73 (Symposium)

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease (Reaven). 1991;121:1283-8 (Symposium)

The perception of angina in diabetes: relation to somatic pain threshold and autonomic function (Umachandran et al). 1991;121:1649-54

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—group discussion (Ross et al). 1991;121:1312-5 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)

Diabetic neuropathies

The perception of angina in diabetes: relation to somatic pain threshold and autonomic function (Umachandran et al). 1991;121:1649-54

Diagnosis, computer-assisted

Determination of pulse wave velocities with computerized algorithms (Chiu et al). 1991;121:1460-70

Diagnostic imaging

Aortic and mitral valve perforation: diagnosis by transesophageal echocardiography and Doppler color flow imaging (Balal et al). 1991;121:214-7 (Brief comm.)

Dilatation of the left ventricular cavity on dipyridamole thallium-201 imaging: a new marker of triple-vessel disease (Takeishi et al). 1991;121:466-75

The inheritance of left ventricular structure and function assessed by imaging and Doppler echocardiography (Bieien et al). 1991;121:1743-9

Myocardial imaging with Tc-99m teboroxime: technique and initial results (Iskandrian et al). 1991;121:889-94 (Prog. cardiol.)

Diastole

Does intravenous milrinone have a direct effect on diastolic function? (Krams et al). 1991;121:1951-5 (Symposium)

The effects of high (sodium meglumine diatrizoate, Renografin-76) and low osmolar (sodium meglumine ioxaglate, Hexabrix) radiographic contrast media on diastolic function during left ventriculography in patients (Aguirre et al). 1991;121:848-57

Diatrizoate meglumine

The effects of high (sodium meglumine diatrizoate, Renografin-76) and low osmolar (sodium meglumine ioxaglate, Hexabrix) radiographic contrast media on diastolic function during left ventriculography in patients (Aguirre et al). 1991;121:848-57

Digitalis

Digitalis and β -blocking agents: effects on depression following myocardial infarction (Schleifer et al). 1991;121:1397-1402

Dihydropyridines

Acute hemodynamic effects of intravenous diperidipine, a new dihydropyridine derivative, in coronary heart disease (Di Donato et al). 1991;121:776-81

Effect of nisoldipine on hemodynamic responses to defibrillation (Kieso et al). 1991;121:834-9

Dilated cardiomyopathy; see Cardiomyopathy, congestive

Diperidipine; see Dihydropyridines

Dipyridamole

Dilatation of the left ventricular cavity on dipyridamole thallium-201 imaging: a new marker of triple-vessel disease (Takeishi et al). 1991;121:466-75

Dipyridamole—Cont'd

Dipyridamole-induced decrement of functional recovery of postischemic reperfused myocardium in conscious dogs with well-developed coronary collateral circulation (Kenny et al). 1991;121:1339-47

Dipyridamole perfusion scintigraphy: the experience with its application in one hundred seventy patients with known or suspected unstable angina (Zhu et al). 1991;121:33-43

Two-dimensional Doppler echocardiographic correlation of dipyridamole-thallium stress testing with isometric handgrip (Whitfield et al). 1991;121:1367-73

Disopyramide

Use of disopyramide by arrhythmia specialists after Cardiac Arrhythmia Suppression Trial: patient selection and initial outcome (Prystowsky et al). 1991;121:1571-82 (Special report)

Dissecting aneurysm; see Aneurysm, dissecting

Dissection

Aortic dissection with the entrance tear in abdominal aorta (Roberts and Roberts). 1991;121:1834-5 (Brief comm.)

Milking dissection: an unusual complication of emergency coronary artery stenting for acute occlusion (Stauffer et al). 1991;121:1539-42 (Brief comm.)

Ruptured aortic dissection into the left atrium: a rare cause of congestive heart failure (Oliveira et al). 1991;121:936-8 (Brief comm.)

Vagolytic therapy in acute cardiac tamponade associated with aortic dissection (Marcus et al). 1991;121:926-9 (Brief comm.)

Disseminated intravascular coagulation

Left ventricular hemangioma in Kasabach-Merritt syndrome (Gengenbach and Ridker). 1991;121:202-3 (Brief comm.)

Diuretics

A double-blind comparative study of doxazosin and prazosin when administered with β -blockers or diuretics (de Planque). 1991;121:304-11 (Symposium)

DNA, mitochondrial

Age-dependent increase in deleted mitochondrial DNA in the human heart: possible contributory factor to presbycardia (Hattori et al). 1991;121:1735-42

Dobutamine

Phosphodiesterase III inhibition or adrenoreceptor stimulation: milrinone as an alternative to dobutamine in the treatment of severe heart failure (Mager et al). 1991;121:1974-83 (Symposium)

Doppler echocardiography; see Echocardiography, Doppler

Doxazosin

The addition of doxazosin to the treatment regimen of patients with hypertension not adequately controlled by β -blockers (Englert and Barlage). 1991;121:311-6 (Symposium)

Cardiovascular disease risk profiles (Anderson et al). 1991;121:293-8 (Symposium)

Clinical experience with doxazosin in general medical practice in New Zealand (Maslowski). 1991;121:323-8 (Symposium)

Clinical experience with doxazosin in general medical practice in the Netherlands (Harmse). 1991;121:341-5 (Symposium)

A double-blind comparative study of doxazosin and prazosin in the treatment of essential hypertension (Fukiyama et al). 1991;121:317-22 (Symposium)

A double-blind comparative study of doxazosin and prazosin when administered with β -blockers or diuretics (de Planque). 1991;121:304-11 (Symposium)

Double-blind comparison of doxazosin and enalapril in patients with mild or moderate essential hypertension (Wessels). 1991;121:299-303 (Symposium)

Doxazosin: a study in a cohort of patients with hypertension in general practice—an interim report (Langdon). 1991;121:268-73 (Symposium)

Doxazosin and atenolol as monotherapy in mild and moderate hypertension: a randomized, parallel study with a three-year follow-up (Talseth et al). 1991;121:280-5 (Symposium)

Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)

Doxazosin for the treatment of chronic congestive heart failure: results of a randomized double-blind and placebo-controlled study (DiBianco et al). 1991;121:372-80 (Symposium)

Doxazosin in the treatment of essential hypertension in general medical practice in Latin America (Silva et al). 1991;121:329-35 (Symposium)

Doxazosin in the treatment of mild or moderate essential hypertension: an echocardiographic study (Corral et al). 1991;121:352-6

Doxazosin—Cont'd

- Doxazosin therapy in the treatment of diabetic hypertension (Fehér). 1991;121:1294-1301 (Symposium)
- Echocardiographic assessment of doxazosin on left ventricular mass in patients with essential hypertension (Monsalve et al.). 1991;121:356-61 (Symposium)
- The effect of doxazosin on platelet aggregation in normotensive subjects and patients with hypertension: an in vitro study (Hernandez et al.). 1991;121:389-94 (Symposium)
- Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism (Pool). 1991;121:251-60 (Symposium)
- Efficacy and safety of doxazosin in the treatment of patients with mild or moderate essential hypertension and elevated levels of cholesterol (Taylor). 1991;121:362-6 (Symposium)
- Efficacy of doxazosin in specific hypertensive patient groups (Taylor). 1991;121:286-92 (Symposium)
- An evaluation of the efficacy and safety of doxazosin in hypertension associated with renal dysfunction (Miura et al.). 1991;121:381-8 (Symposium)
- Evidence of an antiplatelet aggregation action of doxazosin in patients with hypertension: an ex vivo study (Hernandez et al.). 1991;121:395-401 (Symposium)
- A long-term study of doxazosin in the treatment of mild or moderate essential hypertension in general medical practice (Manos). 1991;121:346-51 (Symposium)
- Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—introduction (Sever). 1991;121:245 (Symposium)
- Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—summary (Sever). 1991;121:406 (Symposium)
- Management of multiple risk factors for coronary heart disease in patients with hypertension (Poulter). 1991;121:246-50 (Symposium)
- A multicenter study of doxazosin in the treatment of essential hypertension in France (Bonnet). 1991;121:335-40 (Symposium)
- A multicenter study of doxazosin in the treatment of patients with mild or moderate essential hypertension and concomitant intermittent claudication (Catalano and Libretti). 1991;121:367-71 (Symposium)
- An open, noncomparative study of doxazosin in essential hypertension: experience in general practice in the Netherlands (Naber). 1991;121:273-9 (Symposium)
- Preliminary results of the Norwegian doxazosin postmarketing surveillance study: a twelve-week experience (Holme et al.). 1991;121:260-7 (Symposium)

Drainage

- Magnetic resonance imaging of total anomalous pulmonary venous drainage (Hsu et al.). 1991;121:1560-5 (Brief comm.)
- Duchenne muscular dystrophy; see Muscular dystrophy**
- Ductus arteriosus, patent**
- Transcatheter closure of patent ductus arteriosus with buttoned device: first successful clinical application in a child (Rao et al.). 1991;121:1799-1802 (Prog. cardiol.)

E**Ebstein's anomaly**

- Successful balloon pulmonary valvuloplasty in a neonate with Ebstein's anomaly and critical pulmonic stenosis (Rheuban et al.). 1991;121:1565-7 (Brief comm.)
- The use of extracorporeal membrane oxygenation in critically ill neonates with Ebstein's anomaly (Plowden et al.). 1991;121:619-22 (Brief comm.)

ECG; see Electrocardiography**Echocardiography**

- Aortic and mitral valve perforation: diagnosis by transesophageal echocardiography and Doppler color flow imaging (Balal et al.). 1991;121:214-7 (Brief comm.)
- Asymptomatic giant right atrial myxoma: role of transesophageal echocardiography in management (Lyons et al.). 1991;121:1555-8 (Brief comm.)
- Contrast echocardiographic diagnosis of PTCA-induced coronary artery-left ventricle fistula (Grill et al.). 1991;121:194-8 (Brief comm.)
- Diagnosis of paradoxical embolism by transesophageal echocardiography (Nagelhout et al.). 1991;121:1552-4 (Brief comm.)

Echocardiography—Cont'd

- Echocardiographic assessment of doxazosin on left ventricular mass in patients with essential hypertension (Monsalve et al.). 1991;121:356-61 (Symposium)
- Giant coronary artery aneurysm: detection with echocardiography, computed tomography, and magnetic resonance imaging (Selke et al.). 1991;121:1544-7 (Brief comm.)
- Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia (Picard et al.). 1991;121:753-62
- Improvement of systolic and diastolic left ventricular wall motion by serial echocardiograms in selected patients treated for unstable angina (de Zwaan et al.). 1991;121:789-97
- The inheritance of left ventricular structure and function assessed by imaging and Doppler echocardiography (Bielen et al.). 1991;121:1743-9
- Intrapercardial echocardiographic images and cardiac constriction (Alio-Bosch et al.). 1991;121:207-8 (Brief comm.)
- Isolated collapse of left-sided heart chambers in cardiac tamponade: demonstration by two-dimensional echocardiography (Fusman et al.). 1991;121:613-6 (Brief comm.)
- Left atrial ball thrombus: review of clinical and echocardiographic manifestations with suggestions for management (Wrisley et al.). 1991;121:1784-90 (Curriculum cardiol.)
- Left atrial volume determination by biplane two-dimensional echocardiography: validation by cine computed tomography (Kircher et al.). 1991;121:864-71
- Left ventricular myxoma discovered incidentally by echocardiography (Wrisley et al.). 1991;121:1554-5 (Brief comm.)
- Midazolam nose drops for outpatient echocardiography sedation in infants (Latson et al.). 1991;121:209-10 (Brief comm.)
- Prenatal diagnosis of atrioventricular canal malformations with up-to-date echocardiographic technology: report of 14 cases (Gembruch et al.). 1991;121:1489-97
- Pulmonary venous obstruction: utility of transesophageal echocardiography (Gaither et al.). 1991;121:203-5 (Brief comm.)
- The role of peripheral capacitance and resistance vessels in hypotension following hemodialysis (Nakamura et al.). 1991;121:1170-7
- The role of transesophageal echocardiography in the diagnosis and management of patent foramen ovale following sartorius bypass graft surgery (Goldman et al.). 1991;121:1224-7 (Brief comm.)
- Superiority of transesophageal echocardiography in detecting ruptured mitral chordae tendineae (Alam and Sun). 1991;121:1819-21 (Brief comm.)
- To-and-fro left ventricular-to-right atrial shunting after valve replacement shown by transesophageal echocardiography (Katz et al.). 1991;121:211-4 (Brief comm.)
- Total anomalous pulmonary venous return: diagnosis by transesophageal echocardiography (Romero-Cárdenas et al.). 1991;121:1831-4 (Brief comm.)
- Transesophageal echocardiographic guidance for balloon catheter occlusion of patent foramen ovale complicating right ventricular infarction (Gudipati et al.). 1991;121:919-22 (Brief comm.)
- Transthoracic and transesophageal echocardiographic diagnosis of myxomas in the four cardiac cavities (Vargas-Barron et al.). 1991;121:931-3 (Brief comm.)
- The utility of echocardiography in the diagnostic strategy of postinfarction ventricular septal rupture: a comparison of two-dimensional echocardiography versus Doppler color flow imaging (Fortin et al.). 1991;121:25-32
- Ventriculoatrial shunts for hydrocephalus and cardiac valvopathy: an echocardiographic evaluation (Vargas-Barron et al.). 1991;121:1498-1501
- Echocardiography, Doppler**
- Acute reduction of mitral valve area after percutaneous balloon mitral valvuloplasty: assessment with Doppler continuity equation method (Nakatani et al.). 1991;121:770-5
- Aortic and mitral valve perforation: diagnosis by transesophageal echocardiography and Doppler color flow imaging (Balal et al.). 1991;121:214-7 (Brief comm.)
- Changes in left ventricular diastolic filling during the development of left ventricular hypertrophy: observations using Doppler echocardiography in a unique canine model (Buda et al.). 1991;121:1759-67

Echocardiography, Doppler—Cont'd

- Diagnosis of postlaminectomy arteriovenous fistula using color Doppler flow mapping (Chen et al). 1991;121:217-9 (Brief comm.)
- Doppler echocardiographic evaluation of streptokinase lysis of thrombosed right-sided St. Jude Medical valves in patients with congenital heart defects (Fyfe et al). 1991;121:1156-60
- Hemodynamic effects of calcium channel and β -receptor antagonists: evaluation by Doppler echocardiography (Harrison et al). 1991;121:126-33
- The inheritance of left ventricular structure and function assessed by imaging and Doppler echocardiography (Bielen et al). 1991;121:1743-9
- Mitral stenosis and free-floating left atrial thrombus: demonstration of the "hole-in-one" effect by color Doppler echocardiography (Yeo et al). 1991;121:1551-2 (Brief comm.)
- Noninvasive estimation of left atrial pressure in patients with congestive heart failure and mitral regurgitation by Doppler echocardiography (Gorcsan et al). 1991;121:858-63
- Prenatal diagnosis of atrioventricular canal malformations with up-to-date echocardiographic technology: report of 14 cases (Gembruch et al). 1991;121:1489-97
- Transesophageal continuous-wave Doppler to evaluate mitral prosthetic stenosis (Gorcsan et al). 1991;121:911-4 (Brief comm.)
- Transesophageal Doppler analysis of pulmonary venous flow in cardiac transplant recipients (Lambertz et al). 1991;121:623-6 (Brief comm.)
- Transesophageal echocardiographic features of normal and dysfunctional bioprosthetic valves (Alam et al). 1991;121:1149-55
- Two-dimensional Doppler echocardiographic correlation of dipyradomole-thallium stress testing with isometric handgrip (Whitfield et al). 1991;121:1367-73
- Ultra short-acting intravenous β -adrenergic blockade as add-on therapy in acute unstable angina (Barth et al). 1991;121:782-8
- The utility of echocardiography in the diagnostic strategy of postinfarction ventricular septal rupture: a comparison of two-dimensional echocardiography versus Doppler color flow imaging (Fortin et al). 1991;121:25-32
- Value and limitations of Doppler pressure half-time in quantifying mitral stenosis: a comparison with micromanometer catheter recordings (Smith et al). 1991;121:480-8
- Echocardiography, two-dimensional; see Echocardiography**
- Edema**
The utility of adenosine to terminate supraventricular tachycardia in a premature hydropic infant (Fletcher et al). 1991;121:1818-9 (Brief comm.)
- Editorials**
Editorials. 1991;121:641-56, 942-8, 1264-6, 1583-90, 1852-6
- Edrophonium**
The role of enhanced vagal activity on ischemic ventricular tachycardia: pharmacologic basis of inefficiency (Meesmann et al). 1991;121:1703-13
- Elderly; see Aged**
- Electric countershock**
Effect of nisoldipine on hemodynamic responses to defibrillation (Kieso et al). 1991;121:834-9
- Inadvertent AICD inactivation while playing bingo (Ferrick et al). 1991;121:206-7 (Brief comm.)
- Incidence and clinical significance of ST segment elevation after electrical cardioversion of atrial fibrillation and atrial flutter (Van Gelder et al). 1991;121:51-6
- Electric stimulation**
Antiarrhythmic therapy guided by programmed electrical stimulation in cardiac sarcoidosis with ventricular tachycardia (Huang et al). 1991;121:599-601 (Brief comm.)
- Increasing the yield of ventricular tachycardia induction: a prospective, randomized comparative study of the standard ventricular stimulation protocol to a short-to-long protocol and a new two-site protocol (Simonson et al). 1991;121:68-76
- Electrocardiography**
Acute effect of percutaneous transluminal mitral commissurotomy on QT interval: possible role of afterload in contraction-excitation feedback (Yamashita et al). 1991;121:1634-9
- Beat-to-beat detection of ventricular late potentials with high-resolution electrocardiography (Zimmermann et al). 1991;121:576-85 (Prog. cardiol.)

Electrocardiography—Cont'd

- Body surface isopotential mapping of the entire QRST complex in the Wolff-Parkinson-White syndrome: correlation with the location of the accessory pathway (Giorgi et al). 1991;121:1445-53
- Body surface potential mapping in the evaluation of coexisting old myocardial infarction and ventricular preexcitation (Giorgi et al). 1991;121:1240-3 (Brief comm.)
- Clinical efficacy of PTCA and identification of restenosis: evaluation by serial body surface potential mapping (Cahyadi et al). 1991;121:1080-7
- Duration of ST segment depression after exercise-induced myocardial ischemia is influenced by body position during recovery but not by type of exercise (Gavrilides et al). 1991;121:1665-70
- Electrocardiographic and antiarrhythmic effects of intravenous amiodarone: results of a prospective, placebo-controlled study (Hohnloser et al). 1991;121:89-95
- Electrocardiographic signs of atrial overload in hypertensive patients: Indexes of abnormality of atrial morphology or function? (Genovesi-Ebert et al). 1991;121:1113-8
- Late potentials in progressive muscular dystrophy of the Duchenne type (Yotsukura et al). 1991;121:1137-42
- A prospective evaluation of the immediate reproducibility of the signal-averaged ECG (Sager et al). 1991;121:1671-8
- Study of P wave morphology in lead V₁ during supraventricular tachycardia for localizing the reentrant circuit (Bremilla-Perron). 1991;121:1714-20
- Study of the influence of left bundle branch block on the signal-averaged electrocardiogram: a qualitative and quantitative analysis (Fontaine et al). 1991;121:494-508
- Two-lead electrocardiographic evaluation of ischemia during percutaneous transluminal coronary angioplasty and its correlation with acute reocclusion (Bush et al). 1991;121:1591-9
- Electrophysiology**
Comparison of the results of electrophysiologic testing after short-term and long-term treatment with amiodarone in patients with ventricular tachycardia (Rosenheck et al). 1991;121:1693-8
- Electrophysiologic characteristics of manifest and latent retrograde conduction in dogs (Littmann et al). 1991;121:96-104
- Electrophysiologic effects and clinical hazards of carbamazepine treatment for neurologic disorders in patients with abnormalities of the cardiac conduction system (Kennebäck et al). 1991;121:1421-9
- Prognosis of patients with ventricular tachycardia or fibrillation and a normal electrophysiologic study (Kim et al). 1991;121:77-80
- Syncope of unknown origin: clinical, noninvasive, and electrophysiologic determinants of arrhythmia induction and symptom recurrence during long-term follow-up (Moazez et al). 1991;121:81-8
- Embolism**
Diagnosis of paradoxical embolism by transesophageal echocardiography (Nagelhout et al). 1991;121:1552-4 (Brief comm.)
- Embolization, therapeutic**
Case of steel versus steal: coil embolization of congenital coronary arteriovenous fistula (Moskowitz et al). 1991;121:909-11 (Brief comm.)
- Enalapril**
Double-blind comparison of doxazosin and enalapril in patients with mild or moderate essential hypertension (Wessels). 1991;121:299-303 (Symposium)
- Endocardium**
Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia (Picard et al). 1991;121:753-62
- Endothelins**
Influence of endothelin on cardiovascular function, oxygen free radicals, and blood chemistry (Prasad et al). 1991;121:178-87 (Prog. cardiol.)
- Endothelin, vascular**
Mechanisms of vasoconstriction (Frelin). 1991;121:958-60 (Symposium)
- Enoximone**
Oral enoximone therapy in chronic heart failure: a placebo-controlled randomized trial (Narahara and Western Enoximone Study Group). 1991;121:1471-9

- Epicardial coronary vasoconstriction; see Vasoconstriction**
- Epilepsy**
Electrophysiologic effects and clinical hazards of carbamazepine treatment for neurologic disorders in patients with abnormalities of the cardiac conduction system (Kennebäck et al). 1991;121:1421-9
- Epinephrine**
The effect of enteric-coated aspirin on the morning increase in platelet activity (McCall et al). 1991;121:1382-8
- Ergonovine**
Ergonovine-induced myocardial ischemia without epicardial coronary vasoconstriction: evidence for ischemia produced by small-vessel vasoconstriction (Serota et al). 1991;121:1807-9 (Brief comm.)
Myasthenia gravis unmasked by ergonovine (Ahmad). 1991;121:1851 (Letter)
- Exercise test**
Angina, ischemia, and effort tolerance with vasodilating β -blockers (Dargie et al). 1991;121:1017-20 (Symposium)
Blood magnesium and potassium alterations with maximal treadmill exercise testing: effects of β -adrenergic blockade (Fletcher et al). 1991;121:105-110
Duration of ST segment depression after exercise-induced myocardial ischemia is influenced by body position during recovery but not by type of exercise (Gavrilides et al). 1991;121:1665-70
Effect of nitroglycerin on coronary collateral function during exercise evaluated by quantitative analysis of thallium-201 single photon emission computed tomography (Aoki et al). 1991;121:1361-6
Exercise-induced myocardial dysfunction in patients with coronary artery disease with and without angina (Vassiliadis et al). 1991;121:1403-8
Exercise test in coronary spasm (Perez de Juan Romero and Dominguez) (Letter); (Castello) (Reply). 1991;121:1844-5
Gender differences in the systolic blood pressure response to exercise (Gleim et al). 1991;121:524-30
Oral enoximone therapy in chronic heart failure: a placebo-controlled randomized trial (Naraha and Western Enoximone Study Group). 1991;121:1471-9
Postexercise systolic blood pressure in coronary artery disease (Romano) (Letter); (Yokota and Miyahara) (Reply). 1991;121:1847-8
Prognostic significance of the Karnofsky Performance Status score in patients with acute myocardial infarction: comparison with the left ventricular ejection fraction and the exercise treadmill test performance (Brezinski et al). 1991;121:1374-81
Propranolol therapy alters estimation of potential cardiovascular risk derived from submaximal postinfarction exercise testing (Curtis et al). 1991;121:1655-64
Relationship between redistribution on exercise thallium-201 scintigraphy and repetitive ventricular premature beats in patients with recent myocardial infarction (Tsuiji et al). 1991;121:1679-84
Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II (McLennan et al). 1991;121:691-6 (Symposium)
Submaximal exercise thallium-201 SPECT for assessment of interventional therapy in patients with acute myocardial infarction (Stewart et al). 1991;121:1033-41
Two-dimensional Doppler echocardiographic correlation of dipyridamole-thallium stress testing with isometric handgrip (Whitfield et al). 1991;121:1367-73
- Extracorporeal membrane oxygenation**
The use of extracorporeal membrane oxygenation in critically ill neonates with Ebstein's anomaly (Plowden et al). 1991;121:619-22 (Brief comm.)
- Extrasystole**
Relationship between redistribution on exercise thallium-201 scintigraphy and repetitive ventricular premature beats in patients with recent myocardial infarction (Tsuiji et al). 1991;121:1679-84
- F**
- Familial hypercholesterolemia; see Hypercholesterolemia, familial**
- Feedback**
Acute effect of percutaneous transluminal mitral commissurotomy on QT interval: possible role of afterload in contraction-excitation feedback (Yamashita et al). 1991;121:1634-9
- Fibrinolytic therapy; see Thrombolytic therapy**
- Fistula; see Arteriovenous fistula**
- Contrast echocardiographic diagnosis of PTCA-induced coronary artery-left ventricle fistula (Grill et al). 1991;121:194-8 (Brief comm.)
Diagnosis of postlaminectomy arteriovenous fistula using color Doppler flow mapping (Chen et al). 1991;121:217-9 (Brief comm.)
PTCA-induced coronary-left ventricular fistula (Cheng) (Letter); (Iannone and Iannone) (Reply). 1991;121:1848-9
- Flecainide**
The acute effects of flecainide in the swine heart failing from incessant supraventricular tachycardia (Trippel et al). 1991;121:1721-6
- Flosequinan**
Clinical efficacy of flosequinan in heart failure (Cowley). 1991;121:983-8 (Symposium)
Fosequinan: a vasodilator with positive inotropic activity (Corrin et al). 1991;121:537-40
Pharmacology of fosequinan (Yates). 1991;121:974-83 (Symposium)
- Fluorescein angiography**
Angiographic contrast media interference with laser-induced fluorescence excitation and detection in atherosclerotic human coronary arteries (Lucas et al). 1991;121:110-8
- Fluorescence angiography; see Fluorescein angiography**
- Foramen ovale; see Heart septum**
- Framingham Study**
Is hyperglycemia associated with cardiovascular disease? The Framingham Study (Wilson et al). 1991;121:586-90 (Prog. cardiol.)
- Free radicals**
Influence of endothelin on cardiovascular function, oxygen free radicals, and blood chemistry (Prasad et al). 1991;121:178-87 (Prog. cardiol.)
- G**
- Gamma cameras**
Continuous on-line monitoring of left ventricular function with a new nonimaging detector: validation and clinical use in the evaluation of patients post angioplasty (Breisblatt et al). 1991;121:1609-17
- Gamma globulins**
Rapid regression of coronary dilatation in Kawasaki disease with intravenous γ -globulin (Saalouk et al). 1991;121:905-9 (Brief comm.)
- Gastrointestinal hemorrhage**
Cessation of gastrointestinal bleeding from angiodysplasia after surgery for idiopathic hypertrophic subaortic stenosis (Alam and Lewis). 1991;121:608-10 (Brief comm.)
- Gender; see Sex**
- Glucose tolerance**
Diabetes mellitus and hypertension: a physiologic basis for a rational therapeutic approach (Nosadini et al). 1991;121:1289-93 (Symposium)
Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)
Doxazosin therapy in the treatment of diabetic hypertension (Feher). 1991;121:1294-1301 (Symposium)
Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al). 1991;121:1302-6 (Symposium)
The epidemiology of impaired glucose tolerance and hypertension (Kannel et al). 1991;121:1268-73 (Symposium)
Essential hypertension, metabolic disorders, and insulin resistance (Ferrannini and Natali). 1991;121:1274-82 (Symposium)
Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease (Reaven). 1991;121:1283-8 (Symposium)
States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—group discussion (Ross et al). 1991;121:1312-5 (Symposium)

Glucose tolerance—Cont'd

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)
States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—summary (Ross and Kannel). 1991;121:1316-8 (Symposium)

Glyceryl trinitrate

Effect of nitroglycerin on coronary collateral function during exercise evaluated by quantitative analysis of thallium-201 single photon emission computed tomography (Aoki et al.). 1991;121:1361-6

The effect of nitroglycerin on pulmonary vascular capacitance in dogs (Smiseth et al.). 1991;121:1454-9

Nitrate tolerance in angina pectoris: effect of transdermal nitroglycerin with a four-hour nitrate-free interval (Webster et al.). 1991;121:1229-31 (Brief comm.)

Nitroglycerin and intracranial hypertension (Ahmad). 1991; 121:1850-1 (Letter)

Nitroglycerin-induced heparin resistance (Raschke et al.) (Letter); (Stanek et al.) (Letter); (Becker) (Reply). 1991;121:1849-50

Glycosides

Digitalis and β -blocking agents: effects on depression following myocardial infarction (Schleifer et al.). 1991;121:1397-1402

Graft rejection

Changes in left ventricular systolic function that accompany resection of the transplanted heart: a serial radionuclide assessment of fifty-three consecutive cases (Follansbee et al.). 1991;121:548-56

Contractility of the transplanted, denervated human heart (von Scheidt et al.). 1991;121:1480-9

H

Heart, physiology

Age-dependent increase in deleted mitochondrial DNA in the human heart: possible contributory factor to presyncope (Hattori et al.). 1991;121:1735-42

Influence of endothelin on cardiovascular function, oxygen free radicals, and blood chemistry (Prasad et al.). 1991;121:178-87 (Prog. cardiol.)

Heart, ultrasonography

Detection of angiographically silent coronary atherosclerosis by intracoronary ultrasonography (Sheikh et al.). 1991;121:1803-7 (Brief comm.)

Heart arrest

Sports-related and non-sports-related sudden cardiac death in young adults (Burke et al.). 1991;121:568-75 (Curriculum cardiol.)

Heart-assist devices

Acute fulminant myocarditis: long term follow-up after circulatory support with left ventricular assist device (Rockman et al.). 1991;121:922-6 (Brief comm.)

Mechanical assist devices in intensive cardiac care (Miller). 1991;121:1887-92 (Symposium)

Heart atrium

Electrocardiographic signs of atrial overload in hypertensive patients: Indexes of abnormality of atrial morphology or function? (Genovesi-Ebert et al.). 1991;121:1113-8

Mitral stenosis and free-floating left atrial thrombus: demonstration of the "hole-in-one" effect by color Doppler echocardiography (Yeoh et al.). 1991;121:1551-2 (Brief comm.)

Ruptured aortic dissection into the left atrium: a rare cause of congestive heart failure (Oliveira et al.). 1991;121:936-8 (Brief comm.)

Heart block

Paroxysmal AV block with ventricular standstill precipitated by atrial flutter during acute myocardial infarction (Cintolo et al.). 1991;121:597-9 (Brief comm.)

Pseudo AV block secondary to concealed premature His bundle depolarizations (Wang and Salerno). 1991;121:1236-7 (Brief comm.)

Study on the genesis of the double potential recorded in the high right atrium in atrial flutter and its role in the reentry circuit of atrial flutter (Taniori et al.). 1991;121:57-61

Heart catheterization

Catheter closure of atrial septal defect: successful use in a 3.6 kg infant (Rao et al.). 1991;121:1826-9 (Brief comm.)

Heart catheterization—Cont'd

Impedance measurement of absolute blood flow using an angioplasty catheter: a validation study (Martin et al.). 1991;121:745-52

Risk stratification in survivors of acute myocardial infarction: routine cardiac catheterization and angiography is a reasonable approach in most patients (Kulich and Rahimtoola). 1991;121:641-56 (Editorial)

Selective coronary arteriography via translumbar catheterization (Argenal and Baker). 1991;121:198-9 (Brief comm.)

Transcatheter closure of patent ductus arteriosus with buttoned device: first successful clinical application in a child (Rao et al.). 1991;121:1799-1802 (Prog. cardiol.)

Value and limitations of Doppler pressure half-time in quantifying mitral stenosis: a comparison with micromanometer catheter recordings (Smith et al.). 1991;121:480-8

Heart conduction system

Effect of verapamil on infranodal conduction in patients with baseline His-Purkinje conduction delay (Rosenheck et al.). 1991;121:1809-10 (Brief comm.)

Electrophysiologic characteristics of manifest and latent retrograde conduction in dogs (Littmann et al.). 1991;121: 96-104

Electrophysiologic effects and clinical hazards of carbamazepine treatment for neurologic disorders in patients with abnormalities of the cardiac conduction system (Kennebeck et al.). 1991;121:1421-9

Histologic abnormalities of large and small coronary arteries, neural structures, and the conduction system of the heart found in postmortem studies of individuals dying from the toxic oil syndrome (James et al.). 1991;121:803-15

Sinus nodal dysfunction in young patients with long QT syndrome (Kugler). 1991;121:1132-6

Sinus parasystole (Satullo et al.). 1991;121:1507-12 (Curriculum cardiol.)

Heart defects, congenital

Anomalous atrioventricular valve arcade (Matsushima et al.). 1991;121:1824-6 (Brief comm.)

Balloon occlusion of the ascending aorta for angiographic visualization of the coronary arteries in neonates with transposition of the great arteries (Vairo et al.). 1991;121:917-9 (Brief comm.)

Case of steel versus steal: coil embolization of congenital coronary arteriovenous fistula (Moskowitz et al.). 1991;121:909-11 (Brief comm.)

Doppler echocardiographic evaluation of streptokinase lysis of thrombosed right-sided St. Jude Medical valves in patients with congenital heart defects (Fyfe et al.). 1991;121:1156-60

Magnetic resonance imaging of total anomalous pulmonary venous drainage (Hsu et al.). 1991;121:1560-5 (Brief comm.)

Midazolam nose drops for outpatient echocardiography sedation in infants (Latson et al.). 1991;121:209-10 (Brief comm.)

Prenatal diagnosis of atrioventricular canal malformations with up-to-date echocardiographic technology: report of 14 cases (Gembrych et al.). 1991;121:1489-97

Protein-losing enteropathy following the Fontan operation: resolution with prednisone therapy (Rothman and Snyder). 1991;121:618-9 (Brief comm.)

Superoinferior ventricles: report of six cases (Sathe et al.). 1991;121:1234-6 (Brief comm.)

To-and-fro left ventricular-to-right atrial shunting after valve replacement shown by transesophageal echocardiography (Katz et al.). 1991;121:211-4 (Brief comm.)

Total anomalous pulmonary venous return: diagnosis by transesophageal echocardiography (Romero-Cárdenas et al.). 1991;121:1831-4 (Brief comm.)

Transcatheter closure of patent ductus arteriosus with buttoned device: first successful clinical application in a child (Rao et al.). 1991;121:1799-1802 (Prog. cardiol.)

The use of extracorporeal membrane oxygenation in critically ill neonates with Ebstein's anomaly (Plowden et al.). 1991; 121:619-22 (Brief comm.)

Heart disease, ischemic; see Coronary disease

Heart failure, congestive

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle (Morgan et al.). 1991;121:961-8 (Symposium)

Epidemiology of heart failure (Kannel and Belanger). 1991; 121:951-7 (Symposium)

Heart failure, congestive—Cont'd

- High output failure in patients with peripartum cardiomyopathy: a comparative study with dilated cardiomyopathy (Marin-Neto et al). 1991;121:134-40
- Mechanisms of vasoconstriction (Frelin). 1991;121:958-60 (Symposium)
- Natural history of dilated cardiomyopathy in children (Akagi et al). 1991;121:1502-6
- Noninvasive estimation of left atrial pressure in patients with congestive heart failure and mitral regurgitation by Doppler echocardiography (Gorcsan et al). 1991;121:858-63
- An overview of contemporary etiologies of congestive heart failure (Teerlink et al). 1991;121:1852-3 (Editorial)
- Recent advances in the control of heart failure: introduction (Dzau). 1991;121:950 (Symposium)
- Rupture of aortic dissection into the left atrium: a rare cause of congestive heart failure (Oliveira et al). 1991;121:936-8 (Brief comm.)
- The use of intravenous milrinone in chronic symptomatic ischemic heart disease (Mitrovic). 1991;121:1983-94 (Symposium)

Heart failure, congestive, drug therapy

- The acute effects of flecainide in the swine heart failing from incessant supraventricular tachycardia (Trippel et al). 1991;121:1721-6
- Cardiovascular effects of milrinone (Colucci). 1991;121:1945-7 (Symposium)
- Clinical efficacy of flosequinan in heart failure (Cowley). 1991;121:983-8 (Symposium)
- Combined intravenous pharmacotherapy in the treatment of patients with decompensated congestive heart failure (Uretsky and Hua). 1991;121:1879-86 (Symposium)
- Does intravenous milrinone have a direct effect on diastolic function? (Krams et al). 1991;121:1951-5 (Symposium)
- Doxazosin for the treatment of chronic congestive heart failure: results of a randomized double-blind and placebo-controlled study (DiBianco et al). 1991;121:372-80 (Symposium)
- Effects of a twenty-four-hour milrinone infusion in patients with severe heart failure and cardiogenic shock as a function of the hemodynamic initial condition (Klocke et al). 1991;121:1965-73 (Symposium)
- Effects of variable dose milrinone in patients with low cardiac output after cardiac surgery (Feneck). 1991;121:1995-9 (Symposium)

Future directions in vasodilator therapy for heart failure (Cohn). 1991;121:969-74 (Symposium)

Hemodynamic and clinical benefits with intravenous milrinone in severe chronic heart failure: results of a multicenter study in the United States (Anderson and United States Milrinone Multicenter Investigators). 1991;121:1956-64 (Symposium)

Intravenous milrinone: therapeutic responses in heart failure (Braunwald). 1991;121:1937-8 (Symposium)

Intravenous milrinone: therapeutic responses in heart failure—conclusions (Honerjäger). 1991;121:2000 (Symposium)

Modulation of venous tone in heart failure (Muir and Nolan). 1991;121:1948-50 (Symposium)

Oral enoximone therapy in chronic heart failure: a placebo-controlled randomized trial (Narahara and Western Enoximone Study Group). 1991;121:1471-9

Pharmacology of bipyridine phosphodiesterase III inhibitors (Honerjäger). 1991;121:1939-44 (Symposium)

Pharmacology of flosequinan (Yates). 1991;121:974-83 (Symposium)

Phosphodiesterase III inhibition or adrenoreceptor stimulation: milrinone as an alternative to dobutamine in the treatment of severe heart failure (Mager et al). 1991;121:1974-83 (Symposium)

Heart injuries

Stunned myocardium and myocardial collagen damage: differential effects of single and repeated occlusions (Whittaker et al). 1991;121:434-41

Heart rate

Cigarette smoking related to ambulatory blood pressure and heart rate (Green et al). 1991;121:1569-70 (Brief comm.)

Impaired heart rate variability in patients with chronic Chagas' disease (Guzzetti et al). 1991;121:1727-34

Severity of coronary atherosclerosis correlates with the respiratory component of heart rate variability (Hayano et al). 1991;121:1070-9

Sinus nodal dysfunction in young patients with long QT syndrome (Kugler). 1991;121:1132-6

Heart rupture, post-infarction

The utility of echocardiography in the diagnostic strategy of postinfarction ventricular septal rupture: a comparison of two-dimensional echocardiography versus Doppler color flow imaging (Fortin et al). 1991;121:25-32

Heart septal defects, atrial

Catheter closure of atrial septal defect: successful use in a 3.6 kg infant (Rao et al). 1991;121:1826-9 (Brief comm.)

PFO or UFO? The role of a patent foramen ovale in cryptogenic stroke (Falk). 1991;121:1264-6 (Editorial)

The role of transesophageal echocardiography in the diagnosis and management of patent foramen ovale following aortocoronary bypass graft surgery (Goldman et al). 1991;121:1224-7 (Brief comm.)

Heart septal defects, ventricular

The utility of echocardiography in the diagnostic strategy of postinfarction ventricular septal rupture: a comparison of two-dimensional echocardiography versus Doppler color flow imaging (Fortin et al). 1991;121:25-32

Heart septum

Transesophageal echocardiographic guidance for balloon catheter occlusion of patent foramen ovale complicating right ventricular infarction (Gudipati et al). 1991;121:919-22 (Brief comm.)

Heart surgery

Effects of variable dose milrinone in patients with low cardiac output after cardiac surgery (Feneck). 1991;121:1995-9 (Symposium)

Late complications involving the ascending aorta after cardiac surgery: recognition and management (Sabri et al). 1991;121:1779-83 (Curriculum cardiol.)

Percutaneous cardiomyotomy and valvulotomy with angiographic guidance (Uchida et al). 1991;121:1221-4 (Brief comm.)

Heart transplantation

Changes in left ventricular systolic function that accompany rejection of the transplanted heart: a serial radionuclide assessment of fifty-three consecutive cases (Follansbee et al). 1991;121:1548-56

Contractility of the transplanted, denervated human heart (von Scheidt et al). 1991;121:1480-9

Hyperlipidemia after cardiac transplantation: be aware and possibly wary of drug therapy for lowering of serum lipids (Butzman). 1991;121:1585-90 (Editorial)

Time course of improvement in ventricular function after ablation of incessant automatic atrial tachycardia (Rabbani et al). 1991;121:816-9

Transesophageal Doppler analysis of pulmonary venous flow in cardiac transplant recipients (Lambertz et al). 1991;121:623-6 (Brief comm.)

Uncomplicated vaginal delivery 14 months after cardiac transplantation (Camann et al). 1991;121:939-41 (Brief comm.)

Heart valve prosthesis

Bioprosthetic tricuspid valve stenosis associated with extensive plaque deposition in carcinoid heart disease (Ridker et al). 1991;121:1835-8 (Brief comm.)

Doppler echocardiographic evaluation of streptokinase lysis of thrombosed right-sided St. Jude Medical valves in patients with congenital heart defects (Fyfe et al). 1991;121:1156-60

Massive calcification of a porcine bioprosthesis in the aortic valve position and the role of calcium supplements (Klues et al). 1991;121:1829-31 (Brief comm.)

Prosthetic valves in children and adolescents (Solymar et al). 1991;121:557-68 (Curriculum cardiol.)

To-and-fro left ventricular-to-right atrial shunting after valve replacement shown by transesophageal echocardiography (Kata et al). 1991;121:211-4 (Brief comm.)

Transesophageal continuous-wave Doppler to evaluate mitral prosthetic stenosis (Gorcsan et al). 1991;121:911-4 (Brief comm.)

Transesophageal echocardiographic features of normal and dysfunctional bioprosthetic valves (Alam et al). 1991;121:1149-55

Heart valves

Mitral valvuloplasty for life-threatening ventricular arrhythmias in mitral valve prolapse (Pocock et al). 1991;121:199-202 (Brief comm.)

Percutaneous fiberoptic angiography of the cardiac valves (Uchida et al). 1991;121:1791-8 (Prog. cardiol.)

Heart ventricle

Effects of aging on left ventricular structure and function (Pearson et al). 1991;121:871-5

Heart ventricle—Cont'd

The inheritance of left ventricular structure and function assessed by imaging and Doppler echocardiography (Bielen et al). 1991;121:1743-9

Left ventricular hypertrophy: diagnosis, prognosis, and management (Pearson et al). 1991;121:148-57 (Curriculum cardioli.)

Superoinferior ventricles: report of six cases (Sathe et al). 1991;121:1234-6 (Brief comm.)

Synovial sarcoma of the right ventricle (Tak et al). 1991;121:933-6 (Brief comm.)

Transesophageal echocardiographic guidance for balloon catheter occlusion of patent foramen ovale complicating right ventricular infarction (Gudipati et al). 1991;121:919-22 (Brief comm.)

Hemangioma

Left ventricular hemangioma in Kasabach-Merritt syndrome (Gengenbach and Ridker). 1991;121:202-3 (Brief comm.)

Hematoma

Delayed rupture of right coronary artery after directional atherectomy for bail-out (van Suylen et al). 1991;121:914-6 (Brief comm.)

Hemodialysis

The role of peripheral capacitance and resistance vessels in hypotension following hemodialysis (Nakamura et al). 1991;121:1170-7

Sotalol-induced torsades de pointes successfully treated with hemodialysis after failure of conventional therapy (Singh et al). 1991;121:601-2 (Brief comm.)

Hemodynamics

Complete left main coronary artery occlusion: angiographic evaluation of collateral vessel patterns and assessment of hemodynamic correlates (Topaz et al). 1991;121:450-6

Effects of a twenty-four-hour milrinone infusion in patients with severe heart failure and cardiogenic shock as a function of the hemodynamic initial condition (Klocke et al). 1991;121:1965-73 (Symposium)

Hemodynamic effects of calcium channel and β -receptor antagonists: evaluation by Doppler echocardiography (Harrison et al). 1991;121:126-33

Myocardial metabolic and hemodynamic effects of a sustained intravenous infusion of nifedipine with and without metoprolol in patients with unstable angina (Melandri et al). 1991;121:44-51

Heparin

Nitroglycerin-induced heparin resistance (Raschke et al) (Letter); (Stanek et al) (Letter); (Becker) (Reply). 1991;121:1849-50

Hexabrix; see Ioxaglic acid

His bundle; see Bundle of His

His-Purkinje conduction; see Purkinje fibers

History taking, medical; see Medical history taking

Hydrocephalus

Ventriculoatrial shunts for hydrocephalus and cardiac valvulopathy: an echocardiographic evaluation (Vargas-Barron et al). 1991;121:1498-1501

Hydrops fetalis

Prenatal diagnosis of atrioventricular canal malformations with up-to-date echocardiographic technology: report of 14 cases (Gembruch et al). 1991;121:1489-97

The utility of adenosine to terminate supraventricular tachycardia in a premature hydropic infant (Fletcher et al). 1991;121:1818-9 (Brief comm.)

Hypercholesterolemia, familial

Composition of atherosclerotic plaques in the coronary arteries in homozygous familial hypercholesterolemia (Kragel and Roberts). 1991;121:210-1 (Brief comm.)

Hyperemia

Coronary sinus occlusion: effect on ischemic left ventricular dysfunction and reactive hyperemia (Jacobs et al). 1991;121:442-9

Hyperglycemia

Is hyperglycemia associated with cardiovascular disease? the Framingham Study (Wilson et al). 1991;121:586-90 (Prog. cardiol.)

Hyperinsulinism

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease (Reaven). 1991;121:1283-8 (Symposium)

Hyperinsulinism—Cont'd

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)

Hyperkalemia

Effect of hyperkalemia on experimental myocardial depression by verapamil (Jolly et al). 1991;121:517-23

Hyperlipidemia

Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism (Pool). 1991;121:251-60 (Symposium)

Hyperlipidemia after cardiac transplantation: be aware and possibly wary of drug therapy for lowering of serum lipids (Butman). 1991;121:1585-90 (Editorial)

Hypertension, drug therapy; see also Antihypertensive agents

The addition of doxazosin to the treatment regimen of patients with hypertension not adequately controlled by β -blockers (Englert and Barlage). 1991;121:311-6 (Symposium)

Ambulatory blood pressure monitoring in the evaluation of drug efficacy (O'Brien et al). 1991;121:999-1006 (Symposium)

Angina, ischemia, and effort tolerance with vasodilating β -blockers (Dargie et al). 1991;121:1017-20 (Symposium)

Cardiovascular disease risk profiles (Anderson et al). 1991;121:293-8 (Symposium)

Cardiovascular risk factors and the effects of intervention (Sleight). 1991;121:990-5 (Symposium)

Clinical experience with doxazosin in general medical practice in New Zealand (Maslowski). 1991;121:323-8 (Symposium)

Clinical experience with doxazosin in general medical practice in the Netherlands (Harmse). 1991;121:341-5 (Symposium)

Clinical perspective on celiprolol: cardioprotective potential (Frishman). 1991;121:724-9 (Symposium)

Clinical pharmacology of vasodilatory β -blocking drugs (Shanks). 1991;121:1006-11 (Symposium)

Clinical safety and efficacy of celiprolol (Lamon). 1991;121:683-7 (Symposium)

Do we need another antihypertensive agent? (Gorlin). 1991;121:670-6 (Symposium)

A double-blind comparative study of doxazosin and prazosin in the treatment of essential hypertension (Fukiyama et al). 1991;121:317-22 (Symposium)

A double-blind comparative study of doxazosin and prazosin when administered with β -blockers or diuretics (de Planque). 1991;121:304-11 (Symposium)

Double-blind comparison of doxazosin and enalapril in patients with mild or moderate essential hypertension (Wessels). 1991;121:299-303 (Symposium)

Doxazosin: a study in a cohort of patients with hypertension in general practice—an interim report (Langdon). 1991;121:268-73 (Symposium)

Doxazosin and atenolol as monotherapy in mild and moderate hypertension: a randomized, parallel study with a three-year follow-up (Talseth et al). 1991;121:280-5 (Symposium)

Doxazosin for the treatment of chronic congestive heart failure: results of a randomized double-blind and placebo-controlled study (DiBianco et al). 1991;121:372-80 (Symposium)

Doxazosin in the treatment of essential hypertension in general medical practice in Latin America (Silva et al). 1991;121:329-35 (Symposium)

Doxazosin in the treatment of mild or moderate essential hypertension: an echocardiographic study (Corral et al). 1991;121:352-6

Early prevention and management of ischemic heart disease: focus on hypertension (Gorlin). 1991;121:657 (Symposium)

Early prevention and management of ischemic heart disease: focus on hypertension—the consensus. 1991;121:730 (Symposium)

Echocardiographic assessment of doxazosin on left ventricular mass in patients with essential hypertension (Monsalve et al). 1991;121:356-61 (Symposium)

The effect of doxazosin on platelet aggregation in normotensive subjects and patients with hypertension: an in vitro study (Hernandez et al). 1991;121:389-94 (Symposium)

The effects of cardioselective vasodilating β -blockers on lipids (Hunningake). 1991;121:1029-32 (Symposium)

Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins (Hunningake). 1991;121:696-701 (Symposium)

Hypertension, drug therapy—Cont'd

- Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism (Pool). 1991;121:251-60 (Symposium)
- Efficacy and safety of doxazosin in the treatment of patients with mild or moderate essential hypertension and elevated levels of cholesterol (Taylor). 1991;121:362-6 (Symposium)
- Efficacy of celiprolol in the elderly hypertensive patient (Taylor). 1991;121:1020-9 (Symposium)
- Efficacy of doxazosin in specific hypertensive patient groups (Taylor). 1991;121:286-92 (Symposium)
- An evaluation of the efficacy and safety of doxazosin in hypertension associated with renal dysfunction (Miura et al). 1991;121:381-8 (Symposium)
- Evidence of an antiplatelet aggregation action of doxazosin in patients with hypertension: an ex vivo study (Hernandez et al). 1991;121:395-401 (Symposium)
- Hypertension and ischemic heart disease: the challenge of the 1990s (Gorlin). 1991;121:658-64 (Symposium)
- Hypertension with concomitant conditions: the changing role of β -adrenoceptor blockade (Weber). 1991;121:716-23 (Symposium)
- Improving compliance and increasing control of hypertension: needs of special hypertensive populations (Clark). 1991;121:664-9 (Symposium)
- A long-term study of doxazosin in the treatment of mild or moderate essential hypertension in general medical practice (Manos). 1991;121:346-51 (Symposium)
- Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—introduction (Sever). 1991;121:245 (Symposium)
- Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—summary (Sever). 1991;121:406 (Symposium)
- Management of multiple risk factors for coronary heart disease in patients with hypertension (Poulter). 1991;121:246-50 (Symposium)
- Managing the whole patient with hypertension: practical applications in a clinical setting (Cohen). 1991;121:702-6 (Symposium)
- Metabolic considerations in the choice of therapy for the patient with hypertension (Black). 1991;121:707-15 (Symposium)
- A multicenter study of doxazosin in the treatment of essential hypertension in France (Bonnet). 1991;121:335-40 (Symposium)
- A multicenter study of doxazosin in the treatment of patients with mild or moderate essential hypertension and concomitant intermittent claudication (Catalano and Libretti). 1991;121:367-71 (Symposium)
- Nitroglycerin and intracranial hypertension (Ahmad). 1991;121:1850-1 (Letter)
- An open, noncomparative study of doxazosin in essential hypertension: experience in general practice in the Netherlands (Naber). 1991;121:273-9 (Symposium)
- Pharmacology of flosequinan (Yates). 1991;121:974-83 (Symposium)
- Preliminary pharmacology of celiprolol: a cardioselective β -adrenergic antagonist and mild vasodilator (Perrone and Barrett). 1991;121:677-83 (Symposium)
- Preliminary results of the Norwegian doxazosin postmarketing surveillance study: a twelve-week experience (Holme et al). 1991;121:260-7 (Symposium)
- Reversal of cardiac and vascular hypertrophy by antihypertensive therapy (Hansson). 1991;121:995-8 (Symposium)
- A review of the clinical experience with celiprolol in angina (McLenahan). 1991;121:688-90 (Symposium)
- Risk factor modulation with new generation vasodilating β -blockers: official satellite to the 13th Scientific Meeting of the International Society of Hypertension—introduction (Mancia and de Champlain). 1991;121:989-90 (Symposium)
- Submaximal, but not maximal, exercise testing detects differences in the effects of β -blockers during treadmill exercise: a study of celiprolol and atenolol. II (McLenahan et al). 1991;121:691-6 (Symposium)
- Vasodilatory β -blockers: systemic and regional hemodynamic effects (Frolich). 1991;121:1012-7 (Symposium)

Hypertension, epidemiology

- Epidemiology of heart failure (Kannel and Belanger). 1991;121:951-7 (Symposium)
- The epidemiology of impaired glucose tolerance and hypertension (Kannel et al). 1991;121:1268-73 (Symposium)

Hypertension, physiopathology

- An atrial natriuretic factor analogue at low doses attenuates forearm reflex vasoconstriction to cardiopulmonary receptor deactivation in patients with hypertension (Pedrinelli et al). 1991;121:840-7
- Coronary angiographic patterns in hypertensive compared with normotensive patients (De Cesare et al). 1991;121:1101-6
- Diabetes mellitus and hypertension: a physiologic basis for a rational therapeutic approach (Nosadini et al). 1991;121:1289-93 (Symposium)
- Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)
- Doxazosin therapy in the treatment of diabetic hypertension (Feher). 1991;121:1294-1301 (Symposium)
- Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al). 1991;121:1302-6 (Symposium)
- Electrocardiographic signs of atrial overload in hypertensive patients: Indexes of abnormality of atrial morphology or function? (Genovesi-Ebert et al). 1991;121:1113-8
- The epidemiology of impaired glucose tolerance and hypertension (Kannel et al). 1991;121:1268-73 (Symposium)
- Essential hypertension, metabolic disorders, and insulin resistance (Ferrannini and Natali). 1991;121:1274-82 (Symposium)
- Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease (Reaven). 1991;121:1283-8 (Symposium)
- Relationship of left ventricular mass to impairment of coronary vasodilator reserve in hypertensive heart disease (Houghton et al). 1991;121:1107-12
- States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—group discussion (Ross et al). 1991;121:1312-5 (Symposium)
- States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)
- States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—summary (Ross and Kannel). 1991;121:1316-8 (Symposium)

Hypertension, pulmonary

- Effect of severe pulmonary hypertension on the calculation of mitral valve area in patients with mitral stenosis (Tabbalaat and Haft). 1991;121:488-93
- Histologic abnormalities of large and small coronary arteries, neural structures, and the conduction system of the heart found in postmortem studies of individuals dying from the toxic oil syndrome (James et al). 1991;121:803-15

Hypertrophic cardiomyopathy; see Cardiomyopathy, hypertrophic**Hypnotics and sedatives**

- Midazolam nose drops for outpatient echocardiography sedation in infants (Latson et al). 1991;121:209-10 (Brief comm.)

Hypokalemia

- Fatal verapamil toxicity and hypokalemia (Minella and Schulman). 1991;121:1810-12 (Brief comm.)

Hypoprothrombinemias

- Hypoprothrombinemia and cephalosporins (Ahmad) (Letter); (Riggs and Freij) (Reply). 1991;121:1843-4

Hypotension

- Cigarette smoking related to ambulatory blood pressure and heart rate (Green et al). 1991;121:1569-70 (Brief comm.)
- The role of peripheral capacitance and resistance vessels in hypotension following hemodialysis (Nakamura et al). 1991;121:1170-7
- Use of adenosine during hypotension in the Wolff-Parkinson-White syndrome with supraventricular tachycardia (Jobe and Gallagher). 1991;121:1239-40 (Brief comm.)

Hypothermia, induced

- Class III antiarrhythmic action of d-sotalol during hypothermia (Björnstad et al). 1991;121:1429-36

I

- Idiopathic dilated cardiomyopathy; see Cardiomyopathy, congestive
- Idiopathic hypertrophic subaortic stenosis; see Cardiomyopathy, hypertrophic
- Imaging; see Diagnostic imaging

Infant, premature

Catheter closure of atrial septal defect: successful use in a 3.6 kg infant (Rao et al). 1991;121:1826-9 (Brief comm.)
The utility of adenosine to terminate supraventricular tachycardia in a premature hydropic infant (Fletcher et al). 1991;121:1818-9 (Brief comm.)

Infarction; see Myocardial infarction

Inferior vena cava; see Vena cava, inferior

Infranodal conduction; see Heart conduction system

Inotropic agents, positive cardiac; see Cardiotonic agents

Insulin resistance

Diabetes mellitus and hypertension: a physiologic basis for a rational therapeutic approach (Nosadini et al). 1991;121:1289-93 (Symposium)

Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)

Doxazosin therapy in the treatment of diabetic hypertension (Feher). 1991;121:1294-1301 (Symposium)

Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al). 1991;121:1302-6 (Symposium)

The epidemiology of impaired glucose tolerance and hypertension (Kannel et al). 1991;121:1268-73 (Symposium)

Essential hypertension, metabolic disorders, and insulin resistance (Ferrannini and Natali). 1991;121:1274-82 (Symposium)

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease (Reaven). 1991;121:1283-8 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—group discussion (Ross et al). 1991;121:1312-5 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—summary (Ross and Kannel). 1991;121:1316-8 (Symposium)

Intensive care; see Critical care

Intermittent claudication

A multicenter study of doxazosin in the treatment of patients with mild or moderate essential hypertension and concomitant intermittent claudication (Catalano and Libretti). 1991;121:367-71 (Symposium)

Intracranial pressure

Nitroglycerin and intracranial hypertension (Ahmad). 1991;121:1850-1 (Letter)

Ioxaglic acid

The effects of high (sodium meglumine diatrizoate, Renografin-76) and low osmolar (sodium meglumine ioxaglate, Hexabrix) radiographic contrast media on diastolic function during left ventriculography in patients (Aguirre et al). 1991;121:848-57

Ischemia

Angina, ischemia, and effort tolerance with vasodilating β -blockers (Dargie et al). 1991;121:1017-20 (Symposium)

Attenuation of myocardial ischemia during coronary occlusion by ultrashort-acting beta adrenergic blockade (Labovitz et al). 1991;121:1347-52

Collateral circulation in Kawasaki disease with coronary occlusion or severe stenosis (Tatara et al). 1991;121:797-802

The combined antiischemic effects of the thromboxane receptor antagonist SQ 30,741 and tissue-type plasminogen activator (Grover et al). 1991;121:426-33

Dipyridamole-induced decrement of functional recovery of postischemic reperfused myocardium in conscious dogs with well-developed coronary collateral circulation (Kenny et al). 1991;121:1339-47

Hearts too good to die: ventricular fibrillation due to small infarctions or ischemia (Hwang et al). 1991;121:938-9 (Brief comm.)

Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia (Picard et al). 1991;121:753-62

Late streptokinase infusion and antithrombotic treatment in myocardial infarction reduce subsequent myocardial ischemia (Grip and Rydén). 1991;121:737-45

Ischemia—Cont'd

Regional myocardial function after repetitive brief episodes of ischemia: effect of altering the duration of the reperfusion period (Wynsner et al). 1991;121:1331-8

The role of enhanced vagal activity on ischemic ventricular tachycardia: pharmacologic basis of inefficiency (Meesmann et al). 1991;121:1703-13

Two-dimensional Doppler echocardiographic correlation of dipyridamole-thallium stress testing with isometric handgrip (Whitfield et al). 1991;121:1367-73

Ischemic heart disease; see Coronary disease

Isometric exercise test; see Exercise test

J

Jaundice

Streptokinase-induced jaundice in patients with acute myocardial infarction (Mager et al). 1991;121:1543-4 (Brief comm.)

Junctional ectopic tachycardia; see Tachycardia, ectopic junctional

K

Kasabach-Merritt syndrome; see Hemangioma

Kawasaki disease; see Mucocutaneous lymph node syndrome

Kidney

An evaluation of the efficacy and safety of doxazosin in hypertension associated with renal dysfunction (Miura et al). 1991;121:381-8 (Symposium)

L

Labor

Uncomplicated vaginal delivery 14 months after cardiac transplantation (Camann et al). 1991;121:939-41 (Brief comm.)

Laminectomy

Diagnosis of postlaminectomy arteriovenous fistula using color Doppler flow mapping (Chen et al). 1991;121:217-9 (Brief comm.)

Left atrial function; see Atrial function, left

Left bundle branch block; see Bundle branch block

Left ventricle; see Heart ventricle; Ventricular function, left

Letters

Adenosine for SVT (Letac) (Letter); (Viskin and Belhassen) (Reply). 1991;121:1845-7

Balloon pulmonary valvoplasty (Pearl and Wilkin) (Letter); (Rao and Thapar) (Reply). 1991;121:1839-40

Balloon tear during valvuloplasty (Loya and Sharma) (Letter); (Dev and Shrivastava) (Reply). 1991;121:1840-1

Exercise test in coronary spasm (Perez de Juan Romero and Dominguez) (Letter); (Castello) (Reply). 1991;121:1844-5

Hypoprothrombinemia and cephalosporins (Ahmad) (Letter); (Riggs and Freij) (Reply). 1991;121:1843-4

Left ventricular thrombus in acute myocardial infarction (Mason). 1991;121:1851

Nitroglycerin and intracranial hypertension (Ahmad). 1991;121:1850-1

Nitroglycerin-induced heparin resistance (Raschke et al) (Letter); (Stanek et al) (Letter); (Becker) (Reply). 1991;121:1849-50

Postexercise systolic blood pressure in coronary artery disease (Romano) (Letter); (Yokota and Miyahara) (Reply). 1991;121:1847-8

Progression of coronary stenosis (Beranek) (Letter); (Nagatomo et al) (Reply). 1991;121:1841-3

PTCA in acute myocardial infarction (Cheng) (Letter); (Vacek et al) (Reply). 1991;121:1847

PTCA-induced coronary-left ventricular fistula (Cheng) (Letter); (Iannone and Iannone) (Reply). 1991;121:1848-9

Valve morphology in mitral prolapse (Glaser) (Letter); (Grayburn) (Reply). 1991;121:1845

Lipids

Effect of α -adrenergic blockade on blood pressure, glucose, and lipid metabolism in hypertensive patients with non-insulin-dependent diabetes mellitus (Maruyama et al). 1991;121:1302-6 (Symposium)

Lipids—Cont'd

- The effects of cardioselective vasodilating β -blockers on lipids (Hunninghake). 1991;121:1029-32 (Symposium)
- Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins (Hunninghake). 1991;121:696-701 (Symposium)
- Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism (Pool). 1991;121:251-60 (Symposium)

Lipoproteins

- Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins (Hunninghake). 1991;121:696-701 (Symposium)

Lipoproteins, LDL

- Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)

Lipoproteins, VLDL cholesterol

- Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)

Lovastatin

- Prevention of restenosis by lovastatin after successful coronary angioplasty (Sahni et al.). 1991;121:1600-8

Lyme disease

- Ventricular tachycardia associated with Lyme carditis (Vlay et al.). 1991;121:1558-60 (Brief comm.)

Lymphangioma

- Cardiac lymphangioma (Paşaoğlu et al.). 1991;121:1821-4 (Brief comm.)

M**M-mode echocardiography; see Echocardiography****Magnesium**

- Blood magnesium and potassium alterations with maximal treadmill exercise testing: effects of β -adrenergic blockade (Fletcher et al.). 1991;121:105-110

- Clinical correlates of the molecular and cellular actions of magnesium on the cardiovascular system (Reinhart). 1991;121:1513-21 (Curriculum cardioli)

Magnetic resonance imaging

- Giant coronary artery aneurysm: detection with echocardiography, computed tomography, and magnetic resonance imaging (Selke et al.). 1991;121:1544-7 (Brief comm.)

- Magnetic resonance imaging: A new approach for evaluating coronary artery disease? (van der Wall et al.). 1991;121:1203-20 (Prog. cardiol.)

- Magnetic resonance imaging of total anomalous pulmonary venous drainage (Hsu et al.). 1991;121:1560-5 (Brief comm.)

- Noninvasive determination of left ventricular output and wall stress in volume overload and in myocardial disease by cine magnetic resonance imaging (Auffermann et al.). 1991;121:1750-8

Malignant ventricular arrhythmia; see Arrhythmia**Manometry**

- Value and limitations of Doppler pressure half-time in quantifying mitral stenosis: a comparison with micromanometer catheter recordings (Smith et al.). 1991;121:480-8

Mechanical assist devices; see Heart-assist devices**Medical history taking**

- Risk factors for coronary artery disease: taking the family history (Singer). 1991;121:947-8 (Editorial)

Metabolic diseases

- Essential hypertension, metabolic disorders, and insulin resistance (Ferrannini and Natali). 1991;121:1274-82 (Symposium)

Metabolism

- Metabolic considerations in the choice of therapy for the patient with hypertension (Black). 1991;121:707-15 (Symposium)

Methacholine chloride

- The role of enhanced vagal activity on ischemic ventricular tachycardia: pharmacologic basis of inefficiency (Meesmann et al.). 1991;121:1703-13

Methylergonovine

- Effect of direct intracoronary administration of methylergonovine in patients with and without variant angina (Igarashi et al.). 1991;121:1094-1100

Metoprolol

- Myocardial metabolic and hemodynamic effects of a sustained intravenous infusion of nifedipine with and without metoprolol in patients with unstable angina (Melandri et al.). 1991;121:44-51

Mexitilene

- The effect of quinidine and mexiletine on the adaptation of ventricular refractoriness to an increase in rate (Rosenheck et al.). 1991;121:512-7

Micromanometry; see Manometry**Micropuncture**

- Percutaneous cardiomyotomy and valvulotomy with angiographic guidance (Uchida et al.). 1991;121:1221-4 (Brief comm.)

- Percutaneous fiberoptic angiography of the cardiac valves (Uchida et al.). 1991;121:1791-8 (Prog. cardiol.)

Midazolam

- Midazolam nose drops for outpatient echocardiography sedation in infants (Latson et al.). 1991;121:209-10 (Brief comm.)

Milrinone

- Cardiovascular effects of milrinone (Colucci). 1991;121:1945-7 (Symposium)

- Does intravenous milrinone have a direct effect on diastolic function? (Krams et al.). 1991;121:1951-5 (Symposium)

- Effects of a twenty-four-hour milrinone infusion in patients with severe heart failure and cardiogenic shock as a function of the hemodynamic initial condition (Klocke et al.). 1991;121:1965-73 (Symposium)

- Effects of variable dose milrinone in patients with low cardiac output after cardiac surgery (Feneck). 1991;121:1995-9 (Symposium)

- Hemodynamic and clinical benefits with intravenous milrinone in severe chronic heart failure: results of a multicenter study in the United States (Anderson and United States Milrinone Multicenter Investigators). 1991;121:1956-64 (Symposium)

- Intravenous milrinone: therapeutic responses in heart failure (Braunwald). 1991;121:1937-8 (Symposium)

- Intravenous milrinone: therapeutic responses in heart failure—conclusions (Honerjäger). 1991;121:2000 (Symposium)

- Modulation of venous tone in heart failure (Muir and Nolan). 1991;121:1948-50 (Symposium)

- Pharmacology of bipiridine phosphodiesterase III inhibitors (Honerjäger). 1991;121:1939-44 (Symposium)

- Phosphodiesterase III inhibition or adrenoreceptor stimulation: milrinone as an alternative to dobutamine in the treatment of severe heart failure (Mager et al.). 1991;121:1974-83 (Symposium)

- The use of intravenous milrinone in chronic symptomatic ischemic heart disease (Mitrovic). 1991;121:1983-94 (Symposium)

Mitochondrial DNA; see DNA, mitochondrial**Mitral commissurotomy, percutaneous transvenous; see Balloon dilatation****Mitral stenosis; see Mitral valve stenosis****Mitral valve**

- Acute reduction of mitral valve area after percutaneous balloon mitral valvuloplasty: assessment with Doppler continuity equation method (Nakatani et al.). 1991;121:770-5

- Aortic and mitral valve perforation: diagnosis by transesophageal echocardiography and Doppler color flow imaging (Baldal et al.). 1991;121:214-7 (Brief comm.)

- Effect of severe pulmonary hypertension on the calculation of mitral valve area in patients with mitral stenosis (Tabbatal and Haft). 1991;121:488-93

- Extreme obstruction to left ventricular outflow by a bioprosthetic in the mitral valve position (Roberts and Dollar). 1991;121:607-8 (Brief comm.)

- Superiority of transesophageal echocardiography in detecting ruptured mitral chordae tendineae (Alam and Sun). 1991;121:1819-21 (Brief comm.)

- Transesophageal echocardiographic features of normal and dysfunctional bioprosthetic valves (Alam et al.). 1991;121:1149-55

- Valve deformity and balloon mechanics in percutaneous transvenous mitral commissurotomy (Feldman and Carroll). 1991;121:1628-33

Mitral valve prolapse

- Mitral valvuloplasty for life-threatening ventricular arrhythmias in mitral valve prolapse (Pocock et al.). 1991;121:199-202 (Brief comm.)

- Valve morphology in mitral prolapse (Glaser) (Letter); (Grayburn) (Reply). 1991;121:1845

Mitral valve stenosis

Effect of severe pulmonary hypertension on the calculation of mitral valve area in patients with mitral stenosis (Tabbalat and Haft). 1991;121:488-93

Mitral stenosis and free-floating left atrial thrombus: demonstration of the "hole-in-one" effect by color Doppler echocardiography (Yeoh et al.). 1991;121:1551-2 (Brief comm.)

Percutaneous balloon valvotomy for patients with mitral stenosis: initial and follow-up results (Casale et al.). 1991;121:476-9

Resolution of left atrial appendage thrombus in mitral stenosis after warfarin therapy (Tsai et al.). 1991;121:1232-4 (Brief comm.)

Transesophageal continuous-wave Doppler to evaluate mitral prosthetic stenosis (Gorcsan et al.). 1991;121:911-4 (Brief comm.)

Value and limitations of Doppler pressure half-time in quantifying mitral stenosis: a comparison with micromanometer catheter recordings (Smith et al.). 1991;121:480-8

Monitoring, physiologic

Continuous on-line monitoring of left ventricular function with a new nonimaging detector: validation and clinical use in the evaluation of patients post angioplasty (Breiblatt et al.). 1991;121:1609-17

Monomorphic ventricular tachycardia; see Tachycardia

Mortality

Pulse rate, coronary heart disease, and death: the NHANES I Epidemiologic Follow-up Study (Gillum et al.). 1991;121:172-7 (Prog. cardiol.)

Mucocutaneous lymph node syndrome

Aborted sudden death in the chronic phase of Kawasaki disease (Madrid et al.). 1991;121:1547-9 (Brief comm.)

Collateral circulation in Kawasaki disease with coronary occlusion or severe stenosis (Tatara et al.). 1991;121:797-802

Rapid regression of coronary dilatation in Kawasaki disease with intravenous γ -globulin (Saalouke et al.). 1991;121:905-9 (Brief comm.)

Multicenter study

Hemodynamic and clinical benefits with intravenous milrinone in severe chronic heart failure: results of a multicenter study in the United States (Anderson and United States Milrinone Multicenter Investigators). 1991;121:1956-64 (Symposium)

Multiple organ failure

Advances in the concepts of intensive care (Vincent). 1991;121:1859-65 (Symposium)

Muscle, smooth, vascular

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle (Morgan et al.). 1991;121:961-8 (Symposium)

Muscle contraction

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle (Morgan et al.). 1991;121:961-8 (Symposium)

Muscle relaxation

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle (Morgan et al.). 1991;121:961-8 (Symposium)

Muscular dystrophy

Late potentials in progressive muscular dystrophy of the Duchenne type (Yotsukura et al.). 1991;121:1137-42

Myasthenia gravis

Myasthenia gravis unmasked by ergonovine (Ahmad). 1991;121:1851 (Letter)

Mycotic aneurysm; see Aneurysm, infected

Myocardial contraction

Contractility of the transplanted, denervated human heart (von Scheidt et al.). 1991;121:1480-9

Myocardial depressants; see Anti-arrhythmia agents

Myocardial diseases

Effects of subsequent pregnancy on left ventricular function in peripartum cardiomyopathy (St. John Sutton et al.). 1991;121:1776-8

Noninvasive determination of left ventricular output and wall stress in volume overload and in myocardial disease by cine magnetic resonance imaging (Auffermann et al.). 1991;121:1750-8

Percutaneous cardiomyotomy and valvulotomy with angiographic guidance (Uchida et al.). 1991;121:1221-4 (Brief comm.)

Reversible catecholamine-induced cardiomyopathy (Wood et al.). 1991;121:610-3 (Brief comm.)

Myocardial infarction

Antiarrhythmic actions of tocainide in canine models of previous myocardial infarction (Wallace et al.). 1991;121:1413-21

Attenuation of myocardial ischemia during coronary occlusion by ultrashort-acting beta adrenergic blockade (Labovitz et al.). 1991;121:1347-52

Body surface potential mapping in the evaluation of coexisting old myocardial infarction and ventricular preexcitation (Giorgi et al.). 1991;121:1240-3 (Brief comm.)

Combining thrombolytic agents to treat acute myocardial infarction (Ott and Fenster). 1991;121:1583-4 (Editorial)

Detection of myocardial infarction in the presence of Wolff-Parkinson-White syndrome by QRST isoarea map in dogs (Nagasaki et al.). 1991;121:763-9

Digitalis and β -blocking agents: effects on depression following myocardial infarction (Schleifer et al.). 1991;121:1397-1402

Dynamic left ventricular outflow tract obstruction induced by pericardial tamponade during acute anterior myocardial infarction (Deligonul et al.). 1991;121:190-4 (Brief comm.)

The effect of enteric-coated aspirin on the morning increase in platelet activity (McCall et al.). 1991;121:1382-8

Evidence for dynamic coronary vasoconstriction in the early minutes of acute myocardial infarction (Kahn and Hartzler). 1991;121:188-90 (Brief comm.)

Factors associated with atrial fibrillation in Q wave anterior myocardial infarction (Sugiura et al.). 1991;121:1409-12

Factors associated with recurrent myocardial infarction within one year after acute myocardial infarction (Gilpin et al.). 1991;121:457-65

Hearts too good to die: ventricular fibrillation due to small infarcts or ischemia (Hwang et al.). 1991;121:938-9 (Brief comm.)

Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia (Picard et al.). 1991;121:753-62

Late streptokinase infusion and antithrombotic treatment in myocardial infarction reduce subsequent myocardial ischemia (Grip and Rydén). 1991;121:737-45

Left ventricular remodeling after acute myocardial infarction: clinical course and beneficial effects of angiotensin-converting enzyme inhibition (Lamas and Pfeffer). 1991;121:1194-1202 (Prog. cardiol.)

Left ventricular thrombus in acute myocardial infarction (Mason). 1991;121:1851 (Letter)

Multivessel coronary artery disease: a key predictor of short-term prognosis after reperfusion therapy for acute myocardial infarction (Muller et al.). 1991;121:1042-9

Paroxysmal AV block with ventricular standstill precipitated by atrial flutter during acute myocardial infarction (Cintolo et al.). 1991;121:597-9 (Brief comm.)

Prehospital diagnosis and treatment of acute myocardial infarction: a North-South perspective (Gibler et al.). 1991;121:1-11

Prognostic significance of the Karnofsky Performance Status score in patients with acute myocardial infarction: comparison with the left ventricular ejection fraction and the exercise treadmill test performance (Brezinski et al.). 1991;121:1374-81

Progression of coronary stenosis (Beraneck) (Letter); (Nagatomo et al.) (Reply). 1991;121:1841-3

Propranolol therapy alters estimation of potential cardiovascular risk derived from submaximal postinfarction exercise testing (Curtis et al.). 1991;121:1655-64

PTCA in acute myocardial infarction (Cheng) (Letter); (Vacek et al.) (Reply). 1991;121:1847

Quantitative estimation of infarct size by simultaneous dual radionuclide single photon emission computed tomography: comparison with peak serum creatine kinase activity (Kawaguchi et al.). 1991;121:1353-60

Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part I (Becker et al.). 1991;121:220-44 (Special report)

Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part II (Becker and Harrington). 1991;121:627-40 (Special report)

Myocardial infarction—Cont'd

Relationship between redistribution on exercise thallium-201 scintigraphy and repetitive ventricular premature beats in patients with recent myocardial infarction (Tsujii et al.). 1991;121:1679-84

Risk stratification in survivors of acute myocardial infarction: routine cardiac catheterization and angiography is a reasonable approach in most patients (Kulick and Rahimtoola). 1991;121:841-56 (Editorial)

Segmental wall motion abnormalities in the absence of clinically documented myocardial infarction: clinical significance and evidence of hibernating myocardium (Lewis et al.). 1991;121:1088-94

Streptokinase-induced jaundice in patients with acute myocardial infarction (Mager et al.). 1991;121:1543-4 (Brief comm.)

Submaximal exercise thallium-201 SPECT for assessment of interventional therapy in patients with acute myocardial infarction (Stewart et al.). 1991;121:1033-41

Thrombolytic therapy for acute myocardial infarction following recent cataract surgery (Glikson et al.). 1991;121:1542-3 (Brief comm.)

The use of intraaortic balloon pumping as an adjunct to reperfusion therapy in acute myocardial infarction (Ohman et al.). 1991;121:895-901 (Prog. cardiol.)

The utility of echocardiography in the diagnostic strategy of postinfarction ventricular septal rupture: a comparison of two-dimensional echocardiography versus Doppler color flow imaging (Fortin et al.). 1991;121:25-32

Myocardial ischemia; see Ischemia; Myocardium, blood supply**Myocardial reperfusion**

Dipyridamole-induced decrement of functional recovery of postischemic reperfused myocardium in conscious dogs with well-developed coronary collateral circulation (Kenny et al.). 1991;121:1339-47

Multivessel coronary artery disease: a key predictor of short-term prognosis after reperfusion therapy for acute myocardial infarction (Muller et al.). 1991;121:1042-9

Regional myocardial function after repetitive brief episodes of ischemia: effect of altering the duration of the reperfusion period (Wynsens et al.). 1991;121:1331-8

Myocardial reperfusion injury

Angiotensin converting enzyme inhibitors improve contractile function of stunned myocardium by different mechanisms of action (Przyklenk and Kloner). 1991;121:1319-30

Regional myocardial function after repetitive brief episodes of ischemia: effect of altering the duration of the reperfusion period (Wynsens et al.). 1991;121:1331-8

Myocarditis

Acute fulminant myocarditis: long term follow-up after circulatory support with left ventricular assist device (Rockman et al.). 1991;121:922-6 (Brief comm.)

Myocarditis—continuing clinical and pathologic confusion (Peters and Poole-Wilson). 1991;121:942-7 (Editorial)

Myocardium

Angiotensin converting enzyme inhibitors improve contractile function of stunned myocardium by different mechanisms of action (Przyklenk and Kloner). 1991;121:1319-30

Myocardial metabolic and hemodynamic effects of a sustained intravenous infusion of nifedipine with and without metoprolol in patients with unstable angina (Melandri et al.). 1991;121:44-51

Stunned myocardium and myocardial collagen damage: differential effects of single and repeated occlusions (Whittaker et al.). 1991;121:434-41

Stunned myocardium following coronary spasm (Fournier et al.). 1991;121:593-5 (Brief comm.)

Myocardium, blood supply

Duration of ST segment depression after exercise-induced myocardial ischemia is influenced by body position during recovery but not by type of exercise (Gavrielides et al.). 1991;121:1665-70

Ergonovine-induced myocardial ischemia without epicardial coronary vasoconstriction: evidence for ischemia produced by small-vessel vasoconstriction (Serota et al.). 1991;121:1807-9 (Brief comm.)

Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia (Picard et al.). 1991;121:753-62

Myocardium, blood supply—Cont'd

Late streptokinase infusion and antithrombotic treatment in myocardial infarction reduce subsequent myocardial ischemia (Grip and Rydén). 1991;121:737-45

Myxoma

Asymptomatic giant right atrial myxoma: role of transesophageal echocardiography in management (Lyons et al.). 1991;121:1555-8 (Brief comm.)

Left ventricular myxoma discovered incidentally by echocardiography (Wrisley et al.). 1991;121:1554-5 (Brief comm.)

Transthoracic and transesophageal echocardiographic diagnosis of myxomas in the four cardiac cavities (Vargas-Barron et al.). 1991;121:931-3 (Brief comm.)

N**National Health and Nutrition Examination Survey**

Pulse rate, coronary heart disease, and death: the NHANES I Epidemiologic Follow-up Study (Gillum et al.). 1991;121:172-7 (Prog. cardiol.)

Natriuretic peptides, atrial

An atrial natriuretic factor analogue at low doses attenuates forearm reflex vasoconstriction to cardiopulmonary receptor deactivation in patients with hypertension (Pedrinelli et al.). 1991;121:840-7

Neuralgia

Electrophysiologic effects and clinical hazards of carbamazepine treatment for neurologic disorders in patients with abnormalities of the cardiac conduction system (Kennebäck et al.). 1991;121:1421-9

Neuroendocrine responses; see Neurosecretory system

Neuroendocrine responses of ventricular tachycardia in humans (Cohen and Liem). 1991;121:1816-8 (Brief comm.)

NHANES I; see National Health and Nutrition Examination Survey**Nifedipine**

Myocardial metabolic and hemodynamic effects of a sustained intravenous infusion of nifedipine with and without metoprolol in patients with unstable angina (Melandri et al.). 1991;121:44-51

Nisoldipine

Effect of nisoldipine on hemodynamic responses to defibrillation (Kieso et al.). 1991;121:834-9

Nitrates

Nitrate tolerance in angina pectoris: effect of transdermal nitroglycerin with a four-hour nitrate-free interval (Webster et al.). 1991;121:1229-31 (Brief comm.)

Nitroglycerin; see Glyceryl trinitrate**Norepinephrine**

Measuring acute changes in adrenergic nerve activity of the heart in the living animal (Sisson et al.). 1991;121:1119-23

Nuclear magnetic resonance

Assessment of experimental pericardial effusion using nuclear magnetic resonance imaging techniques (Rokey et al.). 1991;121:1161-9

O**Obesity**

The epidemiology of impaired glucose tolerance and hypertension (Kannel et al.). 1991;121:1268-73 (Symposium)

Essential hypertension, metabolic disorders, and insulin resistance (Ferrannini and Natali). 1991;121:1274-82 (Symposium)

States of insulin resistance: the interaction between hypertension, glucose intolerance, and coronary heart disease—introduction (Ross and Kannel). 1991;121:1267 (Symposium)

Occlusion, arterial; see Arterial occlusive diseases**P****Pacemaker, artificial**

Extraction of implanted transvenous pacing leads: a review of a persistent clinical problem (Myers et al.). 1991;121:881-8 (Curriculum cardiol.)

Sensor-initiated termination of pacemaker-mediated tachycardia in a DDDR pacemaker (Lau et al.). 1991;121:595-7 (Brief comm.)

- Pacemaker, artificial—Cont'd**
Septal ventricular pacing in the immature canine heart: a new perspective (Karpawich et al). 1991;121:827-33
- Pain**
The perception of angina in diabetes: relation to somatic pain threshold and autonomic function (Umachandran et al). 1991;121:1649-54
- Paradoxical embolism; see Embolism**
- Paroxysmal supraventricular tachycardia; see Tachycardia, supraventricular**
- Patent ductus arteriosus; see Ductus arteriosus, patent**
- Patent foramen ovale; see Heart septal defects, atrial**
- Percutaneous balloon valvotomy; see Balloon dilatation**
- Percutaneous cardiomyotomy; see Myocardial diseases**
- Percutaneous transluminal coronary angioplasty; see Angioplasty, transluminal, percutaneous coronary**
- Percutaneous transvenous mitral commissurotomy; see Balloon dilatation**
- Perfusion**
Myocardial imaging with Tc-99m teboroxime: technique and initial results (Iskandrian et al). 1991;121:889-94 (Prog. cardiol.)
- Pericardial effusion**
Assessment of experimental pericardial effusion using nuclear magnetic resonance imaging techniques (Rockey et al). 1991;121:1161-9
- Cardiac tamponade following treatment with tissue plasminogen activator: an atypical hemodynamic response to pericardiocentesis (Barrington et al). 1991;121:1227-9 (Brief comm.)**
- Pericardiocentesis; see Pericardium**
- Pericarditis**
Factors associated with atrial fibrillation in Q wave anterior myocardial infarction (Sugiura et al). 1991;121:1409-12
- Pericarditis, constrictive**
Intrapericardial echocardiographic images and cardiac constriction (Alio-Bosch et al). 1991;121:207-8 (Brief comm.)
- Pericardium**
Cardiac tamponade following treatment with tissue plasminogen activator: an atypical hemodynamic response to pericardiocentesis (Barrington et al). 1991;121:1227-9 (Brief comm.)
- Phosphodiesterase inhibitors**
Acute positive inotropic intervention: the phosphodiesterase inhibitors (DiBianco). 1991;121:1871-5 (Symposium)
- Pharmacology of bipyridine phosphodiesterase III inhibitors (Honerjäger). 1991;121:1939-44 (Symposium)
- Phosphodiesterase III inhibition or adrenoreceptor stimulation: milrinone as an alternative to dobutamine in the treatment of severe heart failure (Mager et al). 1991;121:1974-83 (Symposium)
- Plasma cholesterol; see Cholesterol**
- Plasminogen activator, tissue-type**
Cardiac tamponade following treatment with tissue plasminogen activator: an atypical hemodynamic response to pericardiocentesis (Barrington et al). 1991;121:1227-9 (Brief comm.)
- The combined antiischemic effects of the thromboxane receptor antagonist SQ 30,741 and tissue-type plasminogen activator (Grover et al). 1991;121:426-33
- Possible mechanism of vascular reocclusion after initially successful thrombolysis with recombinant tissue-type plasminogen activator (Yamada et al). 1991;121:1618-27
- Prehospital diagnosis and treatment of acute myocardial infarction: a North-South perspective (Gibler et al). 1991;121:1-11
- Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part I (Becker et al). 1991;121:220-44 (Special report)
- Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part II (Becker and Harrington). 1991;121:627-40 (Special report)
- Platelet activation**
The effect of enteric-coated aspirin on the morning increase in platelet activity (McCall et al). 1991;121:1382-8
- Platelet aggregation**
The effect of doxazosin on platelet aggregation in normotensive subjects and patients with hypertension: an in vitro study (Hernandez et al). 1991;121:389-94 (Symposium)
- Platelet, aggregation—Cont'd**
The effect of enteric-coated aspirin on the morning increase in platelet activity (McCall et al). 1991;121:1382-8
- Evidence of an antiplatelet aggregation action of doxazosin in patients with hypertension: an ex vivo study (Hernandez et al). 1991;121:395-401 (Symposium)
- Plethysmography**
The role of peripheral capacitance and resistance vessels in hypotension following hemodialysis (Nakamura et al). 1991;121:1170-7
- Postinfarction exercise testing; see Exercise test**
- Postoperative complications**
Acute complications of percutaneous transluminal coronary angioplasty for total occlusion (Plante et al). 1991;121:417-26
- Potassium**
Blood magnesium and potassium alterations with maximal treadmill exercise testing: effects of β -adrenergic blockade (Fletcher et al). 1991;121:105-110
- Prazosin**
A double-blind comparative study of doxazosin and prazosin in the treatment of essential hypertension (Fukiyama et al). 1991;121:317-22 (Symposium)
- A double-blind comparative study of doxazosin and prazosin when administered with β -blockers or diuretics (de Planque). 1991;121:304-11 (Symposium)
- Doxazosin effects on insulin and glucose in hypertensive patients (Lehtonen and The Finnish Multicenter Study Group). 1991;121:1307-11 (Symposium)
- Pre-eclampsia**
Left ventricular mechanics in preeclampsia (Lang et al). 1991;121:1768-75
- Prednisone**
Protein-losing enteropathy following the Fontan operation: resolution with prednisone therapy (Rothman and Snyder). 1991;121:618-9 (Brief comm.)
- Pregnancy**
Effects of subsequent pregnancy on left ventricular function in peripartum cardiomyopathy (St. John Sutton et al). 1991;121:1776-8
- High output failure in patients with peripartum cardiomyopathy: a comparative study with dilated cardiomyopathy (Marin-Neto et al). 1991;121:134-40
- Premature beat; see Extrasystole**
- Premature His bundle; see Bundle of His**
- Prenatal diagnosis**
Prenatal diagnosis of atrioventricular canal malformations with up-to-date echocardiographic technology: report of 14 cases (Gembruch et al). 1991;121:1489-97
- Presbycardia; see Heart, physiology**
- Pressoreceptors**
Exertional syncope in aortic stenosis: evidence to support inappropriate left ventricular baroreceptor response (Grech and Ramsdale). 1991;121:603-6 (Brief comm.)
- Programmed ventricular stimulation; see Electric stimulation**
- Progress in cardiology**
Progress in cardiology. 1991;121:172-87, 576-90, 889-901, 1194-220, 1522-38, 1791-802
- Propafenone**
Propafenone for malignant ventricular arrhythmia: an analysis of the literature (Hernandez et al). 1991;121:1178-84 (Curriculum cardiol.)
- Propranolol**
Propranolol therapy alters estimation of potential cardiovascular risk derived from submaximal postinfarction exercise testing (Curtis et al). 1991;121:1655-64
- Prostheses failure**
Doppler echocardiographic evaluation of streptokinase lysis of thrombosed right-sided St. Jude Medical valves in patients with congenital heart defects (Fyfe et al). 1991;121:1156-60
- Protein-losing enteropathies**
Protein-losing enteropathy following the Fontan operation: resolution with prednisone therapy (Rothman and Snyder). 1991;121:618-9 (Brief comm.)
- PTCA; see Angioplasty, transluminal, percutaneous coronary**
- Puerperal disorders**
High output failure in patients with peripartum cardiomyopathy: a comparative study with dilated cardiomyopathy (Marin-Neto et al). 1991;121:134-40

Pulmonary circulation

The effect of nitroglycerin on pulmonary vascular capacitance in dogs (Smiseth et al). 1991;121:1454-9
Transesophageal Doppler analysis of pulmonary venous flow in cardiac transplant recipients (Lambertz et al). 1991;121:623-6 (Brief comm.)

Pulmonary heart disease

Congenital acquired immunodeficiency syndrome presenting as cor pulmonale in a 10-year-old girl (Hays et al). 1991;121:929-31 (Brief comm.)

Pulmonary hypertension; see Hypertension, pulmonary
Pulmonary valve stenosis

Balloon valvoplasty in pulmonary valve atresia (Latson et al). 1991;121:1567-9 (Brief comm.)
Successful balloon pulmonary valvoplasty in a neonate with Ebstein's anomaly and critical pulmonic stenosis (Rheuban et al). 1991;121:1565-7 (Brief comm.)

Pulmonary veins, abnormalities

Total anomalous pulmonary venous return: diagnosis by transesophageal echocardiography (Romero-Cárdenas et al). 1991;121:1831-4 (Brief comm.)

Pulmonary veno-occlusive disease

Pulmonary venous obstruction: utility of transesophageal echocardiography (Gaither et al). 1991;121:203-5 (Brief comm.)

Pulse

Pulse rate, coronary heart disease, and death: the NHANES I Epidemiologic Follow-up Study (Gillum et al). 1991;121:172-7 (Prog. cardiol.)

Pulse wave velocities; see Blood flow velocity**Purkinje fibers**

Effect of verapamil on infranodal conduction in patients with baseline His-Purkinje conduction delay (Rosenheck et al). 1991;121:1809-10 (Brief comm.)

Pyrophosphates

Quantitative estimation of infarct size by simultaneous dual radionuclide single photon emission computed tomography: comparison with peak serum creatine kinase activity (Kawaguchi et al). 1991;121:1353-60

Q**QT interval; see Electrocardiography****Quinidine**

The effect of quinidine and mexiletine on the adaptation of ventricular refractoriness to an increase in rate (Rosenheck et al). 1991;121:512-7

Quinolines

Clinical efficacy of flosequinan in heart failure (Cowley). 1991;121:983-8 (Symposium)

Future directions in vasodilator therapy for heart failure (Cohn). 1991;121:969-74 (Symposium)

Pharmacology of flosequinan (Yates). 1991;121:974-83 (Symposium)

R**Radionuclide imaging**

Continuous on-line monitoring of left ventricular function with a new nonimaging detector: validation and clinical use in the evaluation of patients post angioplasty (Briesblatt et al). 1991;121:1609-17

Dipyridamole perfusion scintigraphy: the experience with its application in one hundred seventy patients with known or suspected unstable angina (Zhu et al). 1991;121:33-43

Relationship between redistribution on exercise thallium-201 scintigraphy and repetitive ventricular premature beats in patients with recent myocardial infarction (Tsuji et al). 1991;121:1679-84

Radionuclide single-photon computed tomography; see Tomography, emission-computed, single-photon**Radionuclide ventriculography**

Changes in left ventricular systolic function that accompany resection of the transplanted heart: a serial radionuclide assessment of fifty-three consecutive cases (Follansbee et al). 1991;121:548-56

Rapeseed

Histologic abnormalities of large and small coronary arteries, neural structures, and the conduction system of the heart found in postmortem studies of individuals dying from the toxic oil syndrome (James et al). 1991;121:803-15

Receptors, adrenergic

Phosphodiesterase III inhibition or adrenoreceptor stimulation: milrinone as an alternative to dobutamine in the treatment of severe heart failure (Mager et al). 1991;121:1974-83 (Symposium)

Recombinant tissue plasminogen activator; see Plasminogen activator, tissue-type

Rejection of transplanted organ; *see Graft rejection*

Renal dysfunction; see Kidney**Renografin; see Diatrizoate meglumine****Reperfusion; see also Myocardial reperfusion**

The use of intraaortic balloon pumping as an adjunct to reperfusion therapy in acute myocardial infarction (Ohman et al). 1991;121:895-901 (Prog. cardiol.)

Reperfusion injury

Stunned myocardium and myocardial collagen damage: differential effects of single and repeated occlusions (Whittaker et al). 1991;121:434-41

Right ventricle; see Heart ventricle; Ventricular function, right**Risk factors**

Cardiovascular disease risk profiles (Anderson et al). 1991;121:293-8 (Symposium)

Cardiovascular risk factors and the effects of intervention (Sleight). 1991;121:990-5 (Symposium)

Hypertension with concomitant conditions: the changing role of β -adrenoceptor blockade (Weber). 1991;121:716-23 (Symposium)

Management of coronary heart disease risk factors in hypertensive patients: clinical experience with doxazosin—introduction (Sever). 1991;121:245 (Symposium)

Management of multiple risk factors for coronary heart disease in patients with hypertension (Poulter). 1991;121:246-50 (Symposium)

Propranolol therapy alters estimation of potential cardiovascular risk derived from submaximal postinfarction exercise testing (Curtis et al). 1991;121:1655-64

Risk factors for coronary artery disease: taking the family history (Singer). 1991;121:947-8 (Editorial)

Risk stratification in survivors of acute myocardial infarction: routine cardiac catheterization and angiography is a reasonable approach in most patients (Kulick and Rahimtoola). 1991;121:641-56 (Editorial)

S**St. Jude Medical valve; see Heart valve prosthesis****Sarcoidosis**

Antiarrhythmic therapy guided by programmed electrical stimulation in cardiac sarcoidosis with ventricular tachycardia (Huang et al). 1991;121:599-601 (Brief comm.)

Sarcoma

Synovial sarcoma of the right ventricle (Tak et al). 1991;121:933-6 (Brief comm.)

Scimitar syndrome

A variant of the scimitar syndrome with stenosed drainage of the inferior vena cava (Tumbarello et al). 1991;121:616-8 (Brief comm.)

Scintigraphy; see Radionuclide imaging**Scintillation cameras; see Gamma cameras****Sedatives; see Hypnotics and sedatives****Sex**

Gender differences in the systolic blood pressure response to exercise (Gleim et al). 1991;121:524-30

Shock, cardiogenic

Effects of a twenty-four-hour milrinone infusion in patients with severe heart failure and cardiogenic shock as a function of the hemodynamic initial condition (Klocke et al). 1991;121:1965-73 (Symposium)

Sick sinus syndrome

Study on the genesis of the double potential recorded in the high right atrium in atrial flutter and its role in the reentry circuit of atrial flutter (Tanoiri et al). 1991;121:57-61

Signal-averaged ECG; see Electrocardiography**Single photon emission computed tomography; see Tomography, emission-computed, single photon****Sinoatrial node**

Sinus parasympathetic (Satullo et al). 1991;121:1507-12 (Curriculum cardiol.)

Sinus bradycardia; see Bradycardia**Sinus node dysfunction; see Heart conduction system****Sinus parasympathetic; see Sinoatrial node****Smoking**

Cigarette smoking and plasma cholesterol (Muscat et al). 1991;121:141-7

Cigarette smoking related to ambulatory blood pressure and heart rate (Green et al). 1991;121:1569-70 (Brief comm.)

Sodium meglumine ioxaglate; see Ioxaglic acid

Somatic pain; see Pain

Sotalol

Class III antiarrhythmic action of *d*-sotalol during hypothermia (Björnstad et al.). 1991;121:1429-36
Sotalol-induced torsades de pointes successfully treated with hemodialysis after failure of conventional therapy (Singh et al.). 1991;121:601-2 (Brief comm.)

Special reports

Special reports. 1991;121:220-44, 627-40, 1244-63, 1571-82

SPECT; see Tomography, emission-computed, single-photon

Sports medicine

Sports-related and non-sports-related sudden cardiac death in young adults (Burke et al.). 1991;121:568-75 (Curriculum cardiaciol.)

SQ 30,741

The combined antiischemic effects of the thromboxane receptor antagonist SQ 30,741 and tissue-type plasminogen activator (Grover et al.). 1991;121:426-33

ST segment; see Electrocardiography

Stenosis, aortic valve; see Aortic valve stenosis

Stents

Coronary artery stenting after angioplasty with self-expanding parallel wire metallic stents (Bonan et al.). 1991;121:1522-30 (Prog. cardiol.)

The importance of adequate anticoagulation to prevent early thrombosis after stenting of stenosed venous bypass grafts (Bux et al.). 1991;121:1389-96

Milking dissection: an unusual complication of emergency coronary artery stenting for acute occlusion (Stauffer et al.). 1991;121:1539-42 (Brief comm.)

Streptokinase

Doppler echocardiographic evaluation of streptokinase lysis of thrombosed right-sided St. Jude Medical valves in patients with congenital heart defects (Fyfe et al.). 1991;121:1156-60

Late streptokinase infusion and antithrombotic treatment in myocardial infarction reduce subsequent myocardial ischemia (Grip and Rydén). 1991;121:737-45

Streptokinase-induced jaundice in patients with acute myocardial infarction (Mager et al.). 1991;121:1543-4 (Brief comm.)

Stroke volume

Acute effect of percutaneous transluminal mitral commissurotomy on QT interval: possible role of afterload in contraction-excitation feedback (Yamashita et al.). 1991;121:1634-9

Acute hemodynamic effects of intravenous diperidipine, a new dihydropyridine derivative, in coronary heart disease (Di Donato et al.). 1991;121:776-81

Cardiovascular effects of milrinone (Colucci). 1991;121:1945-7 (Symposium)

Exercise-induced myocardial dysfunction in patients with coronary artery disease with and without angina (Vassiliadis et al.). 1991;121:1403-8

Mechanism for depressed cardiac function in left ventricular volume overload (Holt et al.). 1991;121:531-7

Oral enoximone therapy in chronic heart failure: a placebo-controlled randomized trial (Naraha and Western Enoximone Study Group). 1991;121:1471-9

Prognostic significance of the Karnofsky Performance Status score in patients with acute myocardial infarction: comparison with the left ventricular ejection fraction and the exercise treadmill test performance (Brezinski et al.). 1991;121:1374-81

Ultra short-acting intravenous β -adrenergic blockade as add-on therapy in acute unstable angina (Barth et al.). 1991;121:782-8

Stunned myocardium; see Myocardium

Stuffydry compounds

Angiotensin converting enzyme inhibitors improve contractile function of stunned myocardium by different mechanisms of action (Przyklenk and Kloner). 1991;121:1319-30

SUN1165

Suppressive effect of SUN1165 on supraventricular tachycardia (Terazawa et al.). 1991;121:1437-44

Superoinferior ventricles; see Heart defects, congenital

Supraventricular tachycardia; see Tachycardia, supraventricular

Survival

Long-term follow-up after sustained monomorphic ventricular tachycardia: causes, pump failure, and empiric antiarrhythmic therapy that modify survival (Leclercq et al.). 1991;121:1685-92

Sympathetic nervous system

Measuring acute changes in adrenergic nerve activity of the heart in the living animal (Sisson et al.). 1991;121:1119-23

Syncope

Excessive secretion of vasopressin during vasovagal reaction (Rieger and Wagner). 1991;121:602-3 (Brief comm.)

Exertional syncope in aortic stenosis: evidence to support inappropriate left ventricular baroreceptor response (Grech and Ramsdale). 1991;121:603-6 (Brief comm.)

Syncope of unknown origin: clinical, noninvasive, and electrophysiologic determinants of arrhythmia induction and symptom recurrence during long-term follow-up (Moazez et al.). 1991;121:81-8

Systole

Postexercise systolic blood pressure in coronary artery disease (Romano) (Letter); (Yokota and Miyahara) (Reply). 1991;121:1847-8

Systolic blood pressure; see Blood pressure

T

Tachyarrhythmia; see Tachycardia

Tachycardia

Antiarrhythmic actions of tocainide in canine models of previous myocardial infarction (Wallace et al.). 1991;121:1413-21

Antiarrhythmic therapy guided by programmed electrical stimulation in cardiac sarcoidosis with ventricular tachycardia (Huang et al.). 1991;121:599-601 (Brief comm.)

Comparison of the results of electrophysiologic testing after short-term and long-term treatment with amiodarone in patients with ventricular tachycardia (Rosenheck et al.). 1991;121:1693-8

Diagnostic value of ventricular stimulation in patients with idiopathic dilated cardiomyopathy (Bremilla-Perron et al.). 1991;121:1124-31

Increasing the yield of ventricular tachycardia induction: a prospective, randomized comparative study of the standard ventricular stimulation protocol to a short-to-long protocol and a new two-site protocol (Simonson et al.). 1991;121:68-76

Long-term follow-up after sustained monomorphic ventricular tachycardia: causes, pump failure, and empiric antiarrhythmic therapy that modify survival (Leclercq et al.). 1991;121:1685-92

Neuroendocrine responses of ventricular tachycardia in humans (Cohen and Liem). 1991;121:1816-8 (Brief comm.)

Prognosis of patients with ventricular tachycardia or fibrillation and a normal electrophysiologic study (Kim et al.). 1991;121:77-80

The role of enhanced vagal activity on ischemic ventricular tachycardia: pharmacologic basis of inefficiency (Meesmann et al.). 1991;121:1703-13

Sensor-initiated termination of pacemaker-mediated tachycardia in a DDDR pacemaker (Lau et al.). 1991;121:595-7 (Brief comm.)

Time course of improvement in ventricular function after ablation of incessant automatic atrial tachycardia (Rabbani et al.). 1991;121:816-9

Ventricular tachycardia associated with Lyme carditis (Vlay et al.). 1991;121:1558-60 (Brief comm.)

Ventriculoatrial intervals during narrow complex reentrant tachycardia in children (Schaffer and Gillette). 1991;121:1699-1702

Tachycardia, atrioventricular nodal

Study on the genesis of the double potential recorded in the high right atrium in atrial flutter and its role in the reentry circuit of atrial flutter (Tanoori et al.). 1991;121:57-61

Tachycardia, atrioventricular nodal reentry

Electrophysiologic characteristics of manifest and latent retrograde conduction in dogs (Littmann et al.). 1991;121:96-104

Suppressive effect of SUN1165 on supraventricular tachycardia (Terazawa et al.). 1991;121:1437-44

Tachycardia, ectopic junctional

Use of adenosine in postoperative junctional ectopic tachycardia with 1:1 retrograde atrial conduction (Rossi et al.). 1991;121:1237-9 (Brief comm.)

Tachycardia, supraventricular

The acute effects of flecainide in the swine heart failing from incessant supraventricular tachycardia (Trippel et al.). 1991;121:1721-6

Adenosine for SVT (Letac) (Letter); (Viskin and Belhassen) (Reply). 1991;121:1845-7

Study of P wave morphology in lead V₁ during supraventricular tachycardia for localizing the reentrant circuit (Bremilla-Perron). 1991;121:1714-20

Suppressive effect of SUN1165 on supraventricular tachycardia (Terazawa et al.). 1991;121:1437-44

- Tachycardia, supraventricular**—Cont'd
 Use of adenosine during hypotension in the Wolff-Parkinson-White syndrome with supraventricular tachycardia (Jobe and Gallagher). 1991;121:1239-40 (Brief comm.)
 The utility of adenosine to terminate supraventricular tachycardia in a premature hydropic infant (Fletcher et al.). 1991;121:1818-9 (Brief comm.)
- Tamponade; see Cardiac tamponade**
- Tamponade, balloon; see Balloon dilatation**
- Taurine**
 Dietary taurine deficiency and dilated cardiomyopathy in the fox (Moise et al.). 1991;121:541-7
- Teboroxime**
 Myocardial imaging with Tc-99m teboroxime: technique and initial results (Iskandrian et al.). 1991;121:889-94 (Prog. cardiol.)
- Technetium**
 Myocardial imaging with Tc-99m teboroxime: technique and initial results (Iskandrian et al.). 1991;121:889-94 (Prog. cardiol.)
 Quantitative estimation of infarct size by simultaneous dual radionuclide single photon emission computed tomography: comparison with peak serum creatine kinase activity (Kawaguchi et al.). 1991;121:1353-60
- Thallium**
 Dilatation of the left ventricular cavity on dipyridamole thallium-201 imaging: a new marker of triple-vessel disease (Takeshita et al.). 1991;121:466-75
 Effect of nitroglycerin on coronary collateral function during exercise evaluated by quantitative analysis of thallium-201 single photon emission computed tomography (Aoki et al.). 1991;121:1361-6
 Myocardial imaging with Tc-99m teboroxime: technique and initial results (Iskandrian et al.). 1991;121:889-94 (Prog. cardiol.)
 Quantitative estimation of infarct size by simultaneous dual radionuclide single photon emission computed tomography: comparison with peak serum creatine kinase activity (Kawaguchi et al.). 1991;121:1353-60
 Relationship between redistribution on exercise thallium-201 scintigraphy and repetitive ventricular premature beats in patients with recent myocardial infarction (Tsuji et al.). 1991;121:1679-84
 Submaximal exercise thallium-201 SPECT for assessment of interventional therapy in patients with acute myocardial infarction (Stewart et al.). 1991;121:1033-41
 Two-dimensional Doppler echocardiographic correlation of dipyridamole-thallium stress testing with isometric handgrip (Whitfield et al.). 1991;121:1367-73
- Thrombocytopenia**
 Left ventricular hemangioma in Kasabach-Merritt syndrome (Gengenbach and Ridker). 1991;121:202-3 (Brief comm.)
- Thrombolytic therapy**
 Combining thrombolytic agents to treat acute myocardial infarction (Ott and Fenster). 1991;121:1583-4 (Editorial)
 Conservative management complications after thrombolytic therapy (Mohler et al.). 1991;121:591-3 (Brief comm.)
 Possible mechanism of vascular reocclusion after initially successful thrombolysis with recombinant tissue-type plasminogen activator (Yamada et al.). 1991;121:1618-27
 Prehospital diagnosis and treatment of acute myocardial infarction: a North-South perspective (Gibler et al.). 1991;121:1-11
 Relation between flow grade after thrombolytic therapy and the effect of angioplasty on left ventricular function: a prospective randomized trial (Belenki et al.). 1991;121:407-16
 Thrombolytic therapy for acute myocardial infarction following recent cataract surgery (Glikson et al.). 1991;121:1542-3 (Brief comm.)
- Thrombosis**
 The importance of adequate anticoagulation to prevent early thrombosis after stenting of stenosed venous bypass grafts (Bucci et al.). 1991;121:1389-96
 Left atrial ball thrombus: review of clinical and echocardiographic manifestations with suggestions for management (Wrisley et al.). 1991;121:1784-90 (Curriculum cardiol.)
 Left ventricular thrombus in acute myocardial infarction (Mason). 1991;121:1851 (Letter)
 The origin and fate of complex coronary lesions (Haft and Al-Zarka). 1991;121:1050-61
- Thrombosis**—Cont'd
 Resolution of left atrial appendage thrombus in mitral stenosis after warfarin therapy (Tsai et al.). 1991;121:1232-4 (Brief comm.)
- Thromboxanes, antagonists and inhibitors**
 The combined antiischemic effects of the thromboxane receptor antagonist SQ 30,741 and tissue-type plasminogen activator (Grover et al.). 1991;121:426-33
- Tissue plasminogen activator; see Plasminogen activator, tissue-type**
- Tocainide**
 Antiarrhythmic actions of tocainide in canine models of previous myocardial infarction (Wallace et al.). 1991;121:1413-21
- Tomography, emission-computed, single-photon**
 Effect of nitroglycerin on coronary collateral function during exercise evaluated by quantitative analysis of thallium-201 single photon emission computed tomography (Aoki et al.). 1991;121:1361-6
 Myocardial imaging with Tc-99m teboroxime: technique and initial results (Iskandrian et al.). 1991;121:889-94 (Prog. cardiol.)
 Quantitative estimation of infarct size by simultaneous dual radionuclide single photon emission computed tomography: comparison with peak serum creatine kinase activity (Kawaguchi et al.). 1991;121:1353-60
 Submaximal exercise thallium-201 SPECT for assessment of interventional therapy in patients with acute myocardial infarction (Stewart et al.). 1991;121:1033-41
- Tomography, x-ray computed**
 Giant coronary artery aneurysm: detection with echocardiography, computed tomography, and magnetic resonance imaging (Selke et al.). 1991;121:1544-7 (Brief comm.)
 Left atrial volume determination by biplane two-dimensional echocardiography: validation by cine computed tomography (Kircher et al.). 1991;121:864-71
- Torsades de pointes**
 Sotalol-induced torsades de pointes successfully treated with hemodialysis after failure of conventional therapy (Singh et al.). 1991;121:601-2 (Brief comm.)
- Total anomalous pulmonary venous return; see Heart defects, congenital**
- Transesophageal echocardiography; see Echocardiography**
- Transplantation, homologous**
 Changes in left ventricular systolic function that accompany rejection of the transplanted heart: a serial radionuclide assessment of fifty-three consecutive cases (Follansbee et al.). 1991;121:548-56
 Contractility of the transplanted, denervated human heart (von Scheidt et al.). 1991;121:1480-9
 Hyperlipidemia after cardiac transplantation: be aware and possibly wary of drug therapy for lowering of serum lipids (Butman). 1991;121:1585-90 (Editorial)
 Transesophageal Doppler analysis of pulmonary venous flow in cardiac transplant recipients (Lambertz et al.). 1991;121:623-6 (Brief comm.)
 Uncomplicated vaginal delivery 14 months after cardiac transplantation (Camann et al.). 1991;121:939-41 (Brief comm.)
- Transposition of great vessels**
 Balloon occlusion of the ascending aorta for angiographic visualization of the coronary arteries in neonates with transposition of the great arteries (Vairo et al.). 1991;121:917-9 (Brief comm.)
- Tricuspid valve**
 Anomalous atrioventricular valve arcade (Matsushima et al.). 1991;121:1824-6 (Brief comm.)
- Tricuspid valve insufficiency**
 Ventriculoatrial shunts for hydrocephalus and cardiac valvulopathy: an echocardiographic evaluation (Vargas-Barron et al.). 1991;121:1498-1501
- Tricuspid valve stenosis**
 Bioprosthetic tricuspid valve stenosis associated with extensive plaque deposition in carcinoid heart disease (Ridker et al.). 1991;121:1835-8 (Brief comm.)
 Ventriculoatrial shunts for hydrocephalus and cardiac valvulopathy: an echocardiographic evaluation (Vargas-Barron et al.). 1991;121:1498-1501
- Trypanosomiasis, South American**
 Impaired heart rate variability in patients with chronic Chagas' disease (Guzzetti et al.). 1991;121:1727-34

Twelve-lead electrocardiographic evaluation; see Electrocardiography
Two-dimensional echocardiography; see Echocardiography

U

Unstable angina; see Angina, unstable

Urokinase

Possible mechanism of vascular reocclusion after initially successful thrombolysis with recombinant tissue-type plasminogen activator (Yamada et al). 1991;121:1618-27

Safety and efficacy of urokinase during elective coronary angioplasty (Pavlidis et al). 1991;121:731-7

V

Vagus nerve

The role of enhanced vagal activity on ischemic ventricular tachycardia: pharmacologic basis of inefficiency (Meissmann et al). 1991;121:1703-13

Vagolytic therapy in acute cardiac tamponade associated with aortic dissection (Marcus et al). 1991;121:926-9 (Brief comm.)

Valvuloplasty; see Balloon dilatation

Variant angina; see Angina pectoris, variant

Vascular endothelium; see Endothelium, vascular

Vascular resistance

Acute hemodynamic effects of intravenous dipyridine, a new dihydropyridine derivative, in coronary heart disease (Di Donato et al). 1991;121:776-81

Vascular smooth muscle; see Muscle, smooth, vascular

Vasoconstriction

An atrial natriuretic factor analogue at low doses attenuates forearm reflex vasoconstriction to cardiopulmonary receptor deactivation in patients with hypertension (Pedrinelli et al). 1991;121:840-7

Ergonovine-induced myocardial ischemia without epicardial coronary vasospasm: evidence for ischemia produced by small-vessel vasoconstriction (Serota et al). 1991;121:1807-9 (Brief comm.)

Evidence for dynamic coronary vasoconstriction in the early minutes of acute myocardial infarction (Kahn and Hartzler). 1991;121:188-90 (Brief comm.)

Intravenous cocaine causes epicardial coronary vasoconstriction in the intact dog (Hayes et al). 1991;121:1639-48

Mechanisms of vasoconstriction (Frelin). 1991;121:958-60 (Symposium)

Vasodilation

Future directions in vasodilator therapy for heart failure (Cohn). 1991;121:969-74 (Symposium)

Relationship of left ventricular mass to impairment of coronary vasodilator reserve in hypertensive heart disease (Houghton et al). 1991;121:1107-12

Vasodilator agents

Ambulatory blood pressure monitoring in the evaluation of drug efficacy (O'Brien et al). 1991;121:999-1006 (Symposium)

Angina, ischemia, and effort tolerance with vasodilating β -blockers (Dargie et al). 1991;121:1017-20 (Symposium)

Cardiovascular risk factors and the effects of intervention (Sleight). 1991;121:990-5 (Symposium)

Clinical efficacy of flosequinan in heart failure (Cowley). 1991;121:983-8 (Symposium)

Clinical pharmacology of vasodilatory β -blocking drugs (Shanks). 1991;121:1006-11 (Symposium)

The effects of cardioselective vasodilating β -blockers on lipids (Hunninghake). 1991;121:1029-32 (Symposium)

Efficacy of celiprolol in the elderly hypertensive patient (Taylor). 1991;121:1020-9 (Symposium)

Flosequinan a vasodilator with positive inotropic activity (Corrin et al). 1991;121:537-40

Future directions in vasodilator therapy for heart failure (Cohn). 1991;121:969-74 (Symposium)

Pharmacology of flosequinan (Yates). 1991;121:974-83 (Symposium)

Preclinical pharmacology of celiprolol: a cardioselective β -adrenergic antagonist and mild vasodilator (Perrone and Barrett). 1991;121:677-83 (Symposium)

Reversal of cardiac and vascular hypertrophy by antihypertensive therapy (Hansson). 1991;121:995-8 (Symposium)

Vasodilator agents—Cont'd

Risk factor modulation with new generation vasodilating β -blockers: official satellite to the 13th Scientific Meeting of the International Society of Hypertension—introduction (Mancia and de Champlain). 1991;121:989-90 (Symposium)

Vasodilators in the intensive care unit (Francis). 1991;121:1875-8 (Symposium)

Vasodilatory β -blockers: systemic and regional hemodynamic effects (Frolich). 1991;121:1012-7 (Symposium)

Vasopressins

Excessive secretion of vasopressin during vasovagal reaction (Rieger and Wagner). 1991;121:602-3 (Brief comm.)

Vena cava, inferior

A variant of the scimitar syndrome with stenosed drainage of the inferior vena cava (Tumbarello et al). 1991;121:616-8 (Brief comm.)

Venous pressure

Does intravenous milrinone have a direct effect on diastolic function? (Krams et al). 1991;121:1951-5 (Symposium)

Modulation of venous tone in heart failure (Muir and Nolan). 1991;121:1948-50 (Symposium)

Ventricle; see Heart ventricle

Ventricular arrhythmia; see Arrhythmia

Ventricular assist device; see Heart assist devices

Ventricular ejection fraction; see Stroke volume

Ventricular end-diastole volume; see Stroke volume

Ventricular fibrillation

Hearts too good to die: ventricular fibrillation due to small infarcts or ischemia (Hwang et al). 1991;121:938-9 (Brief comm.)

Prognosis of patients with ventricular tachycardia or fibrillation and a normal electrophysiologic study (Kim et al). 1991;121:77-80

Propafenone for malignant ventricular arrhythmia: an analysis of the literature (Hernandez et al). 1991;121:1178-84 (Curriculum cardiol.)

Ventricular function

Age-dependent increase in deleted mitochondrial DNA in the human heart: possible contributory factor to presbycardia (Hattori et al). 1991;121:1735-42

The effect of quinidine and mexiletine on the adaptation of ventricular refractoriness to an increase in rate (Rosenheck et al). 1991;121:512-7

Short-term variability of ventricular arrhythmia and rapid assessment of drug efficacy (Raeder et al). 1991;121:508-11

Time course of improvement in ventricular function after ablation of incessant automatic atrial tachycardia (Rabbani et al). 1991;121:816-9

Ventricular tachycardia associated with Lyme carditis (Vlay et al). 1991;121:1558-60 (Brief comm.)

Ventricular function, left

Acute effect of percutaneous transluminal mitral commissurotomy on QT interval: possible role of afterload in contraction-excitation feedback (Yamashita et al). 1991;121:1634-9

Changes in left ventricular diastolic filling during the development of left ventricular hypertrophy: observations using Doppler echocardiography in a unique canine model (Buda et al). 1991;121:1759-67

Changes in left ventricular systolic function that accompany resection of the transplanted heart: a serial radionuclide assessment of fifty-three consecutive cases (Follansbee et al). 1991;121:548-56

Continuous on-line monitoring of left ventricular function with a new nonimaging detector: validation and clinical use in the evaluation of patients post angioplasty (Breisblatt et al). 1991;121:1609-17

Coronary sinus occlusion: effect on ischemic left ventricular dysfunction and reactive hyperemia (Jacobs et al). 1991;121:442-9

Dilatation of the left ventricular cavity on dipyridamole thallium-201 imaging: a new marker of triple-vessel disease (Takeishi et al). 1991;121:466-75

Dynamic changes in left ventricular outflow tract flow velocities after amyl nitrite inhalation in hypertrophic cardiomyopathy (Hadjimiltiades et al). 1991;121:1143-8

Echocardiographic assessment of doxazosin on left ventricular mass in patients with essential hypertension (Monsalve et al). 1991;121:356-61 (Symposium)

Effects of aging on left ventricular structure and function (Pearson et al). 1991;121:871-5

Ventricular function, left—Cont'd

- Effects of subsequent pregnancy on left ventricular function in peripartum cardiomyopathy (St. John Sutton et al.). 1991;121:1776-8
- Exercise-induced myocardial dysfunction in patients with coronary artery disease with and without angina (Vassiliadis et al.). 1991;121:1403-8
- Immediate regional endocardial surface expansion following coronary occlusion in the canine left ventricle: disproportionate effects of anterior versus inferior ischemia (Picard et al.). 1991;121:753-62
- Improvement of systolic and diastolic left ventricular wall motion by serial echocardiograms in selected patients treated for unstable angina (de Zwaan et al.). 1991;121:789-97
- The inheritance of left ventricular structure and function assessed by imaging and Doppler echocardiography (Bielen et al.). 1991;121:1743-9
- Left ventricular mechanics in preeclampsia (Lang et al.). 1991;121:1768-75
- Left ventricular remodeling after acute myocardial infarction: clinical course and beneficial effects of angiotensin-converting enzyme inhibition (Lamas and Pfeffer). 1991;121:1194-1202 (Prog. cardiol.)
- Mechanism for depressed cardiac function in left ventricular volume overload (Holt et al.). 1991;121:531-7
- Noninvasive determination of left ventricular output and wall stress in volume overload and in myocardial disease by cine magnetic resonance imaging (Auermann et al.). 1991;121:1750-8
- Prognostic significance of the Karnofsky Performance Status score in patients with acute myocardial infarction: comparison with the left ventricular ejection fraction and the exercise treadmill test performance (Brezinski et al.). 1991;121:1374-81
- Relation between flow grade after thrombolytic therapy and the effect of angioplasty on left ventricular function: a prospective randomized trial (Belenki et al.). 1991;121:407-16
- Relationship of left ventricular mass to impairment of coronary vasodilator reserve in hypertensive heart disease (Houghton et al.). 1991;121:1107-12
- Segmental wall motion abnormalities in the absence of clinically documented myocardial infarction: clinical significance and evidence of hibernating myocardium (Lewis et al.). 1991;121:1088-94
- Ventricular function, right**
- Intermittent left bundle branch block mimicked by early right ventricular activation through a nodofascicular pathway (Franco et al.). 1991;121:1813-5 (Brief comm.)
- Ventricular outflow obstruction**
- Dynamic left ventricular outflow tract obstruction induced by pericardial tamponade during acute anterior myocardial infarction (Deligonul et al.). 1991;121:190-4 (Brief comm.)
- Extreme obstruction to left ventricular outflow by a bioprosthetic in the mitral valve position (Roberts and Dollar). 1991;121:607-8 (Brief comm.)

Ventricular tachycardia; see Tachycardia

- Ventricular volume overload; see Cardiac volume**
- Ventriculoatrial shunts; see Cerebrospinal fluid shunts**

Ventriculography, first-pass

The effects of high (sodium meglumine diatrizoate, Renografin-76) and low osmolar (sodium meglumine ioxaglate, Hexabrix) radiographic contrast media on diastolic function during left ventriculography in patients (Aguirre et al.). 1991;121:848-57

Verapamil

Effect of hyperkalemia on experimental myocardial depression by verapamil (Jolly et al.). 1991;121:517-23

Effect of verapamil on infranodal conduction in patients with baseline His-Purkinje conduction delay (Rosenheck et al.). 1991;121:1809-10 (Brief comm.)

Fatal verapamil toxicity and hypokalemia (Minella and Schulman). 1991;121:1810-12 (Brief comm.)

Volume overload; see Cardiac volume**W****Warfarin**

Resolution of left atrial appendage thrombus in mitral stenosis after warfarin therapy (Tsai et al.). 1991;121:1232-4 (Brief comm.)

Wolff-Parkinson-White syndrome

Body surface isopotential mapping of the entire QRST complex in the Wolff-Parkinson-White syndrome: correlation with the location of the accessory pathway (Giorgi et al.). 1991;121:1445-53

Body surface potential mapping in the evaluation of coexisting old myocardial infarction and ventricular preexcitation (Giorgi et al.). 1991;121:1240-3 (Brief comm.)

Detection of myocardial infarction in the presence of Wolff-Parkinson-White syndrome by QRST isoarea map in dogs (Nagasaka et al.). 1991;121:763-9

Fragmented atrial activity in patients with transient atrial fibrillation (Niwano and Aizawa). 1991;121:62-7

Study on the genesis of the double potential recorded in the high right atrium in atrial flutter and its role in the reentry circuit of atrial flutter (Tanoiri et al.). 1991;121:57-61

Use of adenosine during hypotension in the Wolff-Parkinson-White syndrome with supraventricular tachycardia (Jobe and Gallagher). 1991;121:1239-40 (Brief comm.)

Workshop consensus; see Consensus development conferences**X****X-ray computed tomography; see Tomography, x-ray computed**

